

BOOKS

Top-level category	Sub-category	Short description	Clarification	Example quotes	
What should it be about?	Content	Character(s)	Requests for books that identify specific characters, types of characters or character development.	Examples could include books with a strong female protagonist, books with a clumsy male lead who discovers their inner strength, books with Benjamin Franklin as a lead character, books with a character of a particular nationality, etc. Requests with phrases like "guy and a girl fall in love" would not be covered by this category, as these are not specific characterizations.	122339 → "#1 About Margaret de Burgh, daughter of the powerful Walter de Burgh, in the 1200s. Margaret fell in love with and secretly married Richard de Clare, her father's ward. The King was furious and annulled the marriage; Margaret died under somewhat suspicious circumstances, and Richard then married a woman chosen by the King. #2 About Lettice (I'm almost sure that was her name), the wife of one of Elizabeth I's lovers/advisors/favorites (Lenox?)." 124250 → "it was about a boy (an only child?) (Johnny? Tommy?) who was building a robot --."
		Dialogue & lyrics	Requests for books that contain a particular phrase or style of dialog.	Examples could include books that contain a particular phrase or quote or books that have witty dialogue between the characters.	42297 → " Only clue I have is the very memorable final page with just 2 words: He sneezed (or sneezed)." 26265 → "Dialog style - I'm not very good at doing lots of different voices, so if the author doesn't put in a lot of "he said / she said", it can get really confusing for the person listening to me. "
		Graphic design	Requests for books that feature a particular design or layout.	Examples include requests for books with specific illustrations, books with a specific cover or books whose cover has particular properties.	66665 → " The sizable illustrations had aliens that were primary / tertiary colors. Something like red, blue, green. The aliens had two eyes, two ears, nose, etc. Had spaceships. Had one picture of an alien being compelled, for some reason, to have to go out the airlock and die. " 36108 → "The pictures in the book were sort of sketched and they were mostly black and white, the girl had braids and freckles"
		Plot	Requests for books that describe one or more elements of its plot or narrative.	Examples could include both desired plot elements of new books as well as specific descriptions of the plot of a book someone is trying to refine.	27041 → "Anyway, the story was about a man who breaks into peoples houses. I remember he has a van with magnetic signs that said 'Bulldog Security'. In the story he breaks into the house of a screenwriter. I remember that he reads the script and mentions it looked like something for Twilight Zone or The Night Gallery. The thief leaves a note with some some script revisions. I don't remember the rest." 113775 → "hi looking for heroine oriented love triangle romances, any recommendations appreciated. thks."
		Setting	Requests for books that focus on or take place in a specific setting, location or near geographical landmarks.	Examples include requests that request books taking place in a specific setting or in/near specific geographical locations or landmarks (e.g., on a volcano, following a river, in New York City, on different continents).	115749 → "The pictures in the book include a memorable image of a ruined airport with a jumbo jet covered in vegetation." 51996 → "PinkLady just mentioned reading a book, new to me, that is set in San Diego, The Fallen by T. Jefferson Parker. That got me to thinking-- what other books that I might not know of are set in San Diego."
		Structure	Requests for books that feature a particular plot or content structure or sequencing.	Examples could include requests for books with a particular number of chapters or sequencing (e.g. half of the chapters as flashbacks), requests that focus on a particular part of the book (e.g. the introduction, the ending) or requests for choose-your-own adventure books.	120144 → "What I do remember is that at the end of the book, the young woman has gone home to England" 82588 → "Can anybody please suggest authors that write books with a chapter of the serial killer (what makes him a serial killer, background, how he targets his victims and what he/she does to them) and the next chapter about the good guys... and in this order ...?"
		Time	Requests for books that are set in a particular time period or around a specific historical event.	Examples could include books that center around a particular historical battle or event (e.g., the attack on Pearl Harbor, the signing of the Declaration of Independence) or are set during a particular time period (e.g., the Victorian era or prehistoric times).	67711 → "Historical Fiction. I read this book at least 7 years ago. Its set in the gold rush times." 83553 → "I'm looking for some recommendations for some books on WWI."
		Topic	Requests for books that describe one or more topics that should be covered by relevant books.	Examples could include text books about calculus, the Korean War or the American revolution, novels about life in the Peace Corps, guides to landscape architecture, etc.	101937 → "I am a landscape designer and will be traveling mainly in the South to explore the gardens and architecture, but I am interested in all aspects - social, cultural, historical etc." 59466 → "Has anyone read any fiction books about scientific racism? I know that's kind of weird request, but I just finished reading Uncle Tom's Cabin and and I've become interested in the subject and how those (ridiculous) theories are portrayed in fiction."
		World building	Requests for books that feature a particular environment design or style of world building.	Examples include descriptions or requests for specific worlds (e.g. Lord of the Rings, Chronicles of Namia) and/or maps or world buiding styles, for example, books that "contain an invisible underworld to all but a specific few characters".	74002 → "Two teenage boys, (...) - are thereby transported to a magic other-world (think "Narnia", "Oz" etc.) where they must embark on a quest." 82599 → "I remember a young boy & girl (brother & sister?) discovering an underground world while staying with their relatives on a farm (aunt and uncle?)"
			Audience	Requests for books that are aimed at a specific audience.	Examples could include requests that are aimed at a specific audience (e.g., middle-school students, young adults, women) or should have a certain reading level (e.g., suitable for foreign language learners at A2 level, experts in cryptography). Overlaps with accesibility, however the focus here is on a specific group of people and not on reading skills or level.
Availability	Requests for books by referring to their purchase cost or model.		Examples include requests for purchase and/or download suggestions ("Where can I buy / borrow it?", "cheap book", "Isn't available for purchase anymore.") or some form of subscription model (e.g. Kindle Unlimited).	No example in the data set	
Collection, series or franchise	Requests for a book by describing a collection, series or franchise it is a part of.		Requests include details on the part of which anthology, series, collection or franchise a book is part of (e.g. Oxford's Very Short Introduction series or the Twilight series) or references to other expressions within the same collection, series or franchise, or all the books are related to a specific book in some way. It could also include requests that refer to it being part of a series or requests for new series to read. Finally, books part of an ad-hoc or specific collection also fit under this, such as books that received an award.	57812 → "I'd like some recommendations for short story collections if anyone has any, and specifically, the stories within those books that you'd recommend." 19831 → "I'm an ardent fan of the Harry Potter books. I own all seven and am looking forward to JK's encyclopedia, but I look forward to other good series, too. "	
Contributor(s)	Requests for books that have a particular contributor.		Examples include requests for books by a specific author or with illustrations by a specific illustrator.	34126 → "I remember she even went to a prairie, which makes me think the author may have been American (I am Australian.)" 66129 → "I'd like to read books by contemporary British women writers. What do you recommend?"	

What kind of properties should it have?	Metadata	Genre	Requests for books that fall in one or more specific genres.	Examples include requests for books in one or more genres. Explicit requests for fiction or non-fiction books would also fall under this category. Requests for children's literature fall under 'Audience' instead.	17837 → "What are your favorite magical realist or fantastic authors or titles?" 89293 → "I figure mystery/thriller will be good for the road (engaging at least) and since I have been working on the list for a few years, I was wondering if anyone knows which ones would be good from it?"
		Language	Requests for books written in a particular language.	Examples include requests for books written in a specific language. Specific language proficiencies or levels are not included here but rather fall into accessibility.	88988 → "I'm after (1) Books (translated) in English that are easily available but that are written or illustrated by Dutch (not Flemish) authors/illustrators (2) books that are somehow culturally specific (and may or may not be available in English) (and these two criteria may not be mutually exclusive of course)" 27705 → "It was a French-language comic book"
		Popularity	Requests for books by referring to their (lack of) popularity.	Examples include requests hinting to popular or rather unknown books (e.g. on Bestseller lists).	68219 → "There are always the more popular ones (Story of O), but I'd like to get a little more off the beaten path." 22240 → "I'd appreciate it if the recommendations were written specifically for the general reader, and were relatively well-received during their release. The controversial stuff can come later. "
		Properties	Requests for books that come in a particular format or with particular characteristics.	Examples include requests for particular formats such as hardcover or paperback books to particular platforms a book can be read on (e.g. like Kindle or iBooks).	72482 → "I'm pretty sure it was a chapter book, softcover, with a kind of creepy cover illustration" 43960 → "I had this book in paperback in 1995/1996. The cover was red and orange, with a female vampires face reflected off of water."
		Publisher	Requests for books from a particular publisher	Examples include requests for books by a specific publisher or publishing channel.	93686 → "For some reason I'm sure it was published by Penguin." 20914 → "I already own 100 Wild Little Weird Tales, but was looking for some others. It looks like Barnes & Noble puts out a bargain collection every few years. "
		Release date	Requests for books published around or on a particular date.	Examples include identifying desired books by publication date either through the description of a specific date, time period or age when the book as read.	54695 → "Read (in the UK) '92 and probably wouldn't have been new then" 115815 → "I read this about ten years ago, but don't know date of publication."
		Supplementary material	Requests for a book by referencing additional materials external to the book.	Examples include requests for books, which include information on promotional materials such as posters, recordings of readings or videos, but also material included with the book's packaging (e.g. a wrap around the book, a particular bookmark or loose materials such as postcards).	no example in the data set
		Title	Requests for books that have a particular title	Examples include requests for books with particular (words in the) title or books where the titles have a particular property.	69344 → "She thought that the title might be something along the lines of The Cat in the Box, but so far I haven't found any books by that title." 45761 → "I seem to remember the title was something like The gang of ?????street "
		Version	Requests for specific versions of a book.	Examples could include requests for translations of foreign language books or a specific edition of a book (e.g., 1st edition, illustrated edition). Requests for books written in a specific language (without distinguishing between versions of translations) fit under 'Language' instead.	126666 → "In English translation and, if possible, on audiobook?" 121018 → "I know lots of versions of Tam Lin, but not much about any others. At the moment I've got my eye on The Book of Ballads by Charles Vess which looks interesting, but don't really what else is out there. I'd welcome any suggestions :)"
How should it be written?	Experience	Accessibility	Requests for books by describing the skill level required to read them.	Examples include requests requiring or excluding different levels of difficulty, experience or learning curve or intellectual level of the material.	73244 → "One, preferably by an actual, reputable scientist, not someone pretending to be a scientist (not making any claims; I can only imagine)? And I would consider myself a fairly dumb layman" 9939 → " Any recommended childrens books for a beginner?"
		Comprehensiveness	Requests for books that cover their topic with a certain level of detail.	Examples include requests for books that cover a topic extensively or in great detail as well as books that provide a cursory introduction to a topic.	123799 → "Could someone recommend a book with in-depth coverage of this battle?" 46277 → "Hello, I'm looking for a good and readable introduction into geology"
		Mood	Requests for books that evoke a certain mood, tone or reading experience.	Examples include request for books that evoke a certain mood or tone. This includes individual feelings as well as more general moods.	71406 → "I like intelligent touching books with great characters and life lessons that are meaningful and hopeful" 41638 → "We need something interesting enough that we can talk for an hour about it, but not so deep that it scares everyone off. "
		Novelty	Requests for books that are unusual or quirky, or have novel content.	Examples include requests for books that are out of the ordinary or that promote perspectives on issues that would be novel to the requester.	60697 → "I need some suggestions of Historical Fiction that is good from new authors" 5506 → "I've been re-reading books I've got but I need new material."
		Impact	Requests for books that have a specific impact on the reader or that motivates them to behave in a certain way.	Examples include requests for books that change the searcher's view on certain issues like gender, environment, economy, or that motivate the searcher to learn something new or be more active in certain areas, e.g., books that motivate you to be more politically or environmentally active or books that make you want to exercise.	42563 → "Any stimulating reads which might have educational value in regards to learning about history." 65463 → " Recently my kindergarten son was bullied at school. What hurt his feelings the most was that his two best friends joined in the bullying. So I am looking for a picture book about friends standing true to each other. I want that to be the lesson about friendship that he takes away from this."
		Perspective	Requests for books written from a particular perspective.	Examples include requests for books written from a particular point of view or perspective, e.g. political, religious or critical point of views.	114185 → "Not satisfied with this, I want to challenge my own opinion and try to understand the opposite viewpoint. However, every book I see pretty much agrees with that prohibition is a failure. What I would really like to know is if any of you out there can recommend an intelligent book or author that believes drugs should remain illegal? " 2791 → "Does anyone have suggestions for presidential biographies? I don't necessarily want "conservative" biographies, but I would like to find good biographies that don't have a left-wing slant. "
		(Re)play value	Requests for books by specifying the re-read value and/or duration of the book.	Examples include requests that mention the reread value (e.g. books that you read over and over again) or the duration of the book (e.g. books that you can read in a day).	no example in the data set
		How will it be used?	Context	Requests for books that describe the context in or purpose for which the requested books will be used.	Examples include requests that describe the reading context or purpose for the book, e.g. a book club or holiday context.

What type of need is it?					
How is the request expressed?	Information need	Choice	Requests for help in deciding which of a number of books is the best for a specific situation.	Examples include questions regarding decisions between different options or examples.	9988 → "I was wondering, since so many in this group own it, which translation you would recommend or which is the best?" 44121 → "...a few people have mentioned Jasper Fforde to me. Which books of his should I read?"
		Discovery	Requests for books that match relevant aspects, where the searcher is not aware of any books that match the search criteria.	Examples include requests where the searcher is not aware of any books that match their need and has no known books to compare it with; there is no similarity aspect.	9478 → "Does anyone have any new and or interesting recipes for Passover? Are there any books that you would recommend?" 5174 → "Who can suggest good books that touch on questions of the way in which people create rhythm in different languages (e.g., different forms of poetic meter and how they are created by stresses, inflections, etc. in different languages)? There's no particular purpose for the request other than itching curiosity on the subject."
		Known-item	Requests for books already known with the purpose of re-finding them.	Re-finding (or known-item) requests contain descriptions of books already known to the requester with the purpose of determining the title and/or author. These requests typically only have a single relevant answer and the book in question has usually been read by the requester once before.	131236 → "I'm trying to help a patron at our library, but I haven't been able to come up with any ideas, and I'm hoping that maybe some of you can help. About 10-15 years ago (so this is not a new book), the patron read a novel about a family that lived near a river and did logging..." 36142 → "I once read a story in a Reader's Digest Condensed Book collection about two children, a foreign housekeeper/hanny and a catholic icon the children made for her using colored metallic candy wrappers. I read it in the 1960's but it may have been published much earlier. Does this sound familiar to anyone?"
		Sequence	Requests for a set of related books and the order in which to read them	Examples include recommendations in which order to read a series of novels (e.g., "In what order would you recommend I read series X?").	60009 → "I was wondering if anyone knew the correct order of the LeGuin's Hainish Cycle. I've visited three different sites and at each one, I've been given a different recommended reading order. " 118961 → "I confess I've never read Kundera, Gordimer, and D.H. Lawrence. Which of their novels should I start with?"
		Similarity	Requests for books that list other books or authors that the requested books should (not) be similar to.	Example requests could have the requester list books or authors that are similar or dissimilar in one or more aspects (a.k.a. querying-by-example).	35706 → "Can you recommend any other authors who write heart-pounding, gritty, gruesome, clever thriller/mysteries with intricate plots?" 126666 → "Is there any great historian that might be comparable to Susan Wise-Bauer (in breadth and depth and ability to engage) from say, India, China or Russia?"
	Link to external resource		Requests for books where the user supports the search process by providing a link to an external resource with helpful information.	Examples include requests where users attempt to support the re-finding process by providing a link to an external resource, like a YouTube video.	109778 → "I recently picked up From Midnight to Dawn http://bit.ly/gBLGoe because I've always been fascinated by the Underground Railroad. Anyone else have any suggestions?" 124567 → "The more reading of/on weird fiction I do, the more I come across the topic of theosophy (http://en.wikipedia.org/wiki/Theosophy)"
	Not this one		Supporting the search process by explicitly ruling out candidate books as the right answer.	Examples exclude specific books or series of books (e.g. "Not Harry Potter.")	68054 → "The book needs to be interesting for them, but also for me (ie, no Judy B. Jones, yuck!)." 62960 → "I COULD NOT STAND Senor Saramago's writing style. Paragraphs that went on for pages; sentences that ran on forever. I counted one sentence with 80 words; another sentence ran for eighteen lines. That, combined with the fact that in the first thirty pages of the book ABSOLUTELY NOTHING HAPPENED, lead me to quite literally throw the book across the room in frustration."
	Search history		Supporting the search process by describing the previous steps taken by the user.	Examples include descriptions of the (unsuccessful) re-finding process, previous strategies and steps taken by the user.	93190 → "Have done several online searches with "shape poem" and "helix" and have started looking through Amazon, using keyword--poetry anthologies, but no luck as of yet" 34895 → "I have book by book searched titles at local bookstore. The staff run from me screaming , no we haven't found it yet!.lol."
	Situation of exposure		Supporting the re-finding of books by describing the situation in which the user first encountered it.	Examples include requests where users described the situation, in which they were exposed to a specific book, e.g., in school, borrowing it from the library, seeing an ad, etc.	66749 → "So I'm in a bookshop in London about two weeks ago, browsing the philosophy section and writing down titles that look interesting, to check out from the library when I get home. One book sticks in my mind, and of course that's the one whose title I forgot to record" 124250 → "In 6th grade we had a long-term substitute teacher, who read aloud to us sometimes. She moved to Florida before she finished the book, and I want to know what happens in the rest of the story"

GAMES

Top-level category	Sub-category	Short description	Clarification	Example quotes	
What should it be about?	Content	Character(s)	Requests for games that identify specific characters, types of characters or character development & customization.	Examples could include requests with information about playable/notable characters	8p65pc → "marshmallow aliens and chocolate aliens" 8roh41 → "large traveling party had main character, blue archer best friend, girl cleric that you pick up in prison, a mage dude with brown coat and hat that hit people with his book like a young samurai girl who wore yellow."
		Cutscene(s)	Requests for games that feature (a specific) cutscene.	Examples include all static (= non-interactive) in-game sequences such as intro & title screens, explanations, videos, etc.	8q2l5 → "i think the desktop icon or the startup screen was of a basic circus tent." 8rr6ps → "after you fought enough people, a cut scene would play, I think, where some guy made a load of rocks fall down blocking you"
		Dialogue & lyrics	Requests for games that feature a particular line or style of dialogue.	Examples include specific phrases or references to conversations or conversation styles within a game.	8sjöz → "at some point you could even spy on and blackmail him, at which point he'd pay up, say "you stink" and stop giving you help/hints" 8q0sxf → "doctor carnage is chasing you threw a sewer yelling 'DIE, DIE, DIE'"
		Gameplay mechanics	Requests for games that feature particular gameplay mechanics or functionality.	Examples include rules or methods to interact/engage with the game, descriptions of features, tasks or skills. There can be some degree of overlap with 'Graphic design' and/or 'World building'.	8ow2kf → "You control a flying barrel kinda, and swing a weapon that is attached to an axis on the middle of that barrel. With that motion created and gave to the weapon, you damage enemies." 8p5y75 → "i remember you could launch warheads that exploded, bio-heads that had a green mist, seals rode in on a boat, there was like a media tower i think that you could use to do propaganda."
		Graphic design	Requests for games that feature particular graphics, art style(s) or special effects.	Examples include special effects, art style, graphics (2D, 3D), gory/violent vs. clean.	8pgwx8 → "Also the background was yellow and blue or white checkerboard." 8p0uw1 → "Graphics/art style: 3D, going for the surreal, mostly static images and creepy character"
		Plot	Requests for games that describe one or more elements of their plot or narrative.	Examples include both required plots as well as descriptions of plots or elements.	8pw1wa → "All I remember that action took place in some city on desert and there was an explosion that either reverted the time or moved time to the future when the main character entered some kind of city center." 8o1g4 → "Corporation solders walk true gate that you see a man in nurse outfit talking to woman in nurse outfit about escape. He then opens code locked door, turns on sprinklers and runs, while guards shoot him and then planted explosives explode. Then the woman in nurse say to follow her to destroy so computer, then corporation solders in hazmat suits start shooting you."
		Setting	Requests for games that focus on or take place in a specific setting, location or near geographical landmarks.	Examples include requests for games in specific regions (e.g., the Middle East), countries or settings (e.g., moon, small village, space).	8pog1k → "Started playing Subnautica and it was great and all. But I can't progress due to my fear of the deep ocean." 8se9bu → "You had to kill the other mechs on a space station looking thing. It was very plain scenery, just a metal facility and I cannot remember if there were windows or not."
		Sound design	Requests for games that feature particular in-game music or sound effects.	Examples include requests that reference in-game music, sound effects, or the way sound is used to create atmosphere. Some degree of overlap with soundtrack is possible, but generic descriptions of in-game music should fall under 'Sound design', while specific references to (named) tracks on the soundtrack fall under 'Soundtrack'.	8qf0xo → "The Game itself lacked background music" 8sa4la → "There is ambient music"
		Structure	Requests for games that reference a desired kind of game structure.	Examples could include games that are organized as episodic content, games that features flashbacks, or games that deviate from a linear story structure.	8offhwz → "Looking for non-open world, chapter/level based games" 8qe0pf → "game that is based around a a single (or multiple) hubs where you take jobs to go clear an area"
		Time	Requests for games that are set in a particular time period or around a specific historical event.	Examples include requests for specific time periods, e.g. medieval times, the 1960s, the future or historical events e.g., World War II, the attach on Pearl Harbor.	8rsj4a → "It was a medieval side scrolling puzzel game" 8rx8j0 → "I can't find any games like this, any set in the cold War are fine too"
		Topic	Requests for games that describe one or more topics that should be covered in relevant games.	Examples include requests for a topic or theme e.g., "war games", "detective games", "strategic games".	8smuly → "The premise of the game was about eating healthy and that's about all I can remember." 8oje4s → "i feel like the theme of the game was varsity related, and contained a variety of sports mini-games, but that's all i got"
World building	Requests for games that feature a particular level design or style of world building.	Examples include descriptions or requests for specific worlds/maps, world buiding styles or functions .This overlaps to some degree with 'Gameplay mechanics' and 'Graphic design'.	8ppzpx → "Looking for something that has you building a kingdom in a fantasy world, with adventurers, exploration, etc." 8spcsn → "It was kinda a geocaching game, it used real maps and interacted with other players, you had to plant different plants to hold off purple monsters, the map was white until it had been planted by your community."		
		Audience	Requests for games that are aimed at a specific audience.	Examples could include requests for games intended for one or more audiences (e.g., suitable for kids, hardcore gamers).	8ov399 → "so this was a very nice and educational game" 8otksz → "This was years ago and we played it in a computer lab in school when 3rd grade or lower around 2008 at the latest, so it must have been developed before that time and be made for a third grade learning level"
		Availability	Requests for games by referring to their purchase cost or model.	Examples include requests containing price information or a particular purchasing/download model , e.g. demos, full versions.	8spcsn → "Ok so a game came out in 2012 i believe on the App Store" 8scque → "It was an indie/freeware game that you played 2 players."
		Collection, series or franchise	Requests for games by specifying a collection, series or franchise they are a part of.	Examples include requests for games that are part of a series or are that are designed in the context of well-known franchises or IPs (e.g., Star Wars, Harry Potter, Lord of the Rings, Indiana Jones, Marvel, DC) or games that are part of a specific collection (e.g., a collection of classic games that are re-released). This could also include requests with explicit links to content in another domain.	8q0sxf → "Spiderman game where you fought venom and mysterio and doc oct" 8s35x0 → "It might be a game in the motocross vs mx franchise, might not be."
		Contributor(s)	Requests for games by specifying one or more of the contributors to the game.	Examples include requests for games by a specific game director, individual developer or games with specific voice actors or specific creative contributions by companies other than the publisher.	8rrn13 → "I'm fairly certain that the development studio was located in Moscow."
		Genre	Requests for games that fall in one or more specific genres.	Examples include requests for one or more genres or gameplay variety (e.g. action-adventure, ego-shooter, racing, sport, simulation, strategy, etc.).	8p4kh8 → "***Genre:**Arcade beat em up with medieval theme." 8pn3e6 → "A point and click adventure game"

What kind of properties should it have?	Metadata	Language	Requests for games written in a particular language.	Examples include requests for games in a specific language, games featuring fictional languages, games that allow the user to switch to another language, or games from a particular cultural background.	8p4w3k → "The Japan-Exclusive thing is not 100% sure, but the game was in Japanese when I played it so I assumed it's a Japan-only game." 8oziiy → "I can't remember whether it was German or English, but it was definitely released in the PAL region."
		Popularity	Requests for games by referring to their (lack of) popularity.	Examples include requests hinting to popular or rather unknown games.	8qkh1x → "I just want to point out that I think the game isn't that famous" 8o3yio → "There was a game that kind of blew up in popularity a few years ago."
		Properties	Requests for games by describing their digital and/or physical properties.	Examples include requests for games that match certain technical specifications, such as hardware/software requirements or specific platforms/devices (e.g., PS2, PC, N64, Gameboy, Android etc.), or requests that mention how the game originally was distributed (e.g., on floppy disks, CDs or DVDs).	8rettl → "I'm looking for a tactical fantasy RPG that I played on a PSX emulator in the early- to mid-2000s." 8qo2au → "We had this on a 3.5" floppy with several other files on it. The game consisted of a single executable file called "baron.exe", I think. We always ran the exe right out of a Windows 3.11 folder."
		Publisher	Requests for games from a particular publisher or distributor.	Examples include requests for one or more games with a specific company involved in the development or distribution of those games.	8qosyv → "Basically, it's a top down car flash game from Lego" 8ohlnh → "Might have been made by Konami, but don't take my word for it."
		Release date	Requests for a specific date or period a game was released or watched.	Examples include requests with (estimated) release dates or periods or memories of when the requester first played a game.	8p1rzz → "[PC][2004-2007]MMORPG underground?...pretty sure download though cause it was a rather large game fantasy rpg i think it was around 2005 i remember playing it after WoW i remember the graphics being comparable to WoW at the time magic attacks were big mostly AOE" 8stf66 → "The game could have been on: Sega, SNES, PC, or PS1 as it was the early-mid 90s."
		Soundtrack	Requests for games by describing its soundtrack.	Examples include requests with information about soundtracks such as songs, artist names or similar music .	8otlgu → "I remember the background to be a city and the soundtrack to be a mellow-y pop-ish song. The two things I don't remember are the title of the game and the songtitle." 8qrykp → "Music was stuff like Bach's Toccata and Fugue."
		Supplementary material	Requests for a game by referencing additional materials external to the game.	Examples include requests for a game that describe promotional materials (e.g., posters, trailers, demos, etc.), requests that refer to the packaging of the game, or requests that refer to related materials (e.g., game manuals, maps).	8qbpk8 → "It might have been sold with a model car in the packaging. I like to think it was one of the first CD ROM racing games as we had only just got our first CD ROM drive and discs were scarce. I would buy a magazine purely for having a CD on the front as most mags still had 3.5 inch." 8s86l4 → "Had it for a birthday present when I was 8 or something but the game was definitely not my age as the box cover and art behind was so scary back then"
		Title	Requests for games that have a particular title.	Examples include requests that include (parts of) a title or memories of title aspects.	8rsj4a → "I think the name had Death or Dark or Lord in the title but all combinations of those words have not helped me find this game." 8stzan → "All star" might have been in the title."
		Version	Requests for specific versions of a game.	Examples include requests for a specific version of the same (spiritual) game, such as re-boots (e.g., the old vs. the new Tomb Raider franchise) or re-mastered version of old games.	8qf0xo → "So, it's rather odd. I've only now found out that the Game that I so fondly remembered playing when I was a kid seems to not have been Bio Menace, but seemingly a rather elaborate bootleg version of it. It's basically the same assets, with a few differences" 8r6x4a → "I'm looking for one of the DonPachi, but I'm not sure if it's the arcade version. Here's an actually clip of the game in action. As you'll see, the orange text for score is unlike other versions."
		How should it be written?	Experience	Accessibility	Requests for games by describing the skill level or coordination required to play them.
Mood	Requests for games that evoke a certain mood, tone or gaming experience.			Examples include request for games that evoke a certain mood or tone or experience and could change the emotion(s) experienced by the player (e.g., fun, happy games, dark experience).	8sde8k → "There are a lot of games nowadays with realistic graphics, but arcade gameplay (like *Mafia III*). I'm not a sadistic, but if I have the skill to shoot their head, it should be fatal and feel rewarding, not frustrating." 8pm5ho → "games with dark atmospheres? I don't mean games like amnesia or something of that nature. More like, games with sad / depressing backstories and accompanying art."
Novelty	Requests for games that are unusual or quirky, or have novel content.			Examples include requests for games that are out of the ordinary (e.g., "Runescape is unique", "a fun, unique experience") or that promote perspectives on issues that would be novel to the requester.	8q2zlb → "The reason i don't want to play either of those is that I've overplayed those specific games and everything you can do in them" 8q63fx → "I have a friend who is looking for a new experience in open world RPG's"
Impact	Requests for games that have a specific impact on the person playing them or that motivates them in a certain way.			Examples include requests for games that change the searcher's view or behavior on certain issues like gender, environment, economy, games that motivate the searcher to learn something new or be more active in certain areas (e.g., the "Eco Quest" series that teaches kids environmentally responsible behavior, Pokemon Go that makes people get more exercise, Fortnite that inspires special dance classes, etc.).	8raqus → "I'm going through a rough patch in my life and I have anxiety problems. Overthinking doesn't help. I'm looking for a game that will pull me in, has a decent storyline and it shouldn't have mechanics that are hard to handle as I'm a massive noob"
Perspective	Requests for games played in a particular perspective.			Examples include requests for games played in a particular perspective (e.g., first-person view, third-person view, top-down perspective).	8ogoua → "3rd person maybe?" 8scg3t → "It's a top down indie game where you are flying through space as an astronaut, shooting and dodging meteorites."
(Re)play value	Requests for games by specifying their (re-) play value, longevity and/or variety			Examples include requests for games that reference their (re-)play value, variety, complexity, or the duration/longevity of the game or requests for games with many side quests/activities in addition to the main storyline.	8qrtoL → "I also enjoy the sort of open world gameplay with missions and sidequests." 8sb9i5 → "...so I'm looking for something I can kick back with and not stress too much before I go tackle more traumatic games. # 8ru3bq: I just can't find a new game that I really enjoy and can play for hundreds of hours. So basically, I need a new "main" game. I want an online competitive game that you can play for hundreds, and maybe even thousands of hours."
How will it be used?	Context			Requests for games that describe the context in or purpose for which the requested games will be played.	Examples include requests for games to be played in specific situations or contexts (e.g., playing with my girlfriend, younger brother, during the holidays, on the plane, etc.).
Interact with it?		Connectivity	Requests for games that describe the desired online connectivity.	Examples include requests for games that describe (un)desired connectivity (e.g., offline, online, LAN).	8sb9i5 → "I want an online competitive game that you can play for hundreds, and maybe even thousands of hours." 8sqt7 → "Multiplayer shooter with a sniper/stealth role (that isn't overwatch) I'm one of the few people who still play DOOM 2016 multiplayer and seeing as how I'm in Australia I haven't found a match in about 4 months."
		Controls	Requests for games by describing the desired input devices.	Examples include requests for necessary or desired input devices (e.g., joystick, mouse, keyboard, VR, Kinect sensor) or level of difficulty with respect to controls.	8q3o84 → "The controls we're two tank like handles with a fire button and a secondary fire button." 8nw534 → "Controller support is a bonus."

How should the user interact?	Interactivity	Expandability	Request for games by describing how expandable they are through DLC or user efforts.	Examples include requests for games that allow expansions through downloadable content or re-play value through bonus levels or different story lines. Free-to-play games that support in-app-purchase games are also included under this, but they overlap with 'Availability'.	8r5kkm → "Would be even better if there's any character customization, or at least the ability to choose my character's name." 8sp3tb → "You walked around a bar/arcade in first person. You could pick up and interact with objects. You could pick up NES cartridges and insert them into a virtual NES which you would then play on the in-game TV screen. There were other consoles you could play, I'm pretty sure there was a Game Boy which you would hold in first person and play. Other details: If I remember correctly, you could load your own ROMs into the game and play them. It was essentially an emulator built into a virtual 3D space."
		Game mode	Requests for games by specifying the desired gaming mode(s).	Examples include requests asking for or excluding game modes (e.g., single-player, multiplayer, cooperative (aka 'co-op'), turn-based, same-device (split-screen) vs. multiple devices, AI, ghost mode in racing games, etc.).	8scque → "It was an indie/freeware game that you played 2 players." 8qqcs → "I used to love playing wizard 101 as a kid but the thing I really enjoyed was the pvp. I liked the strategy and how you needed to be able to predict your opponents next play."
What type of need is it?	Information need	Choice	Requests for help in deciding which of a set of games is the best choice.	Examples include requests where the requester wants input on which of a specific set of games to buy or which version to get in a specific situation.	8r67gm → "Pikmin 1, Resident Evil Remake or Soul Calibur 2. All in their original GameCube release. Which should I get next and why?" 8sd800 → "Some I've been looking at are: Zone of the Enders HD Collection, Project Nimbus, Armored Core, Gundam (?). Where do I start?"
		Discovery	Requests for games that match relevant aspects, where the searcher is not aware of any games that match the search criteria.	Example requests include specific criteria but the searcher is not aware of any games that match (all of) the requested criteria. Requests are usually not limited to a specific item but rather ask for suggestions.	8nr4tw → "Hi, I'm looking for something really fun to play with satisfying gameplay." 8nw534 → "But I'm hoping people can recommend some actual grid and turn-based Roguelikes with nice or at least serviceable graphics? "
		Known-item	Requests for games already known with the purpose of re-finding them.	Re-finding (or known-item) requests contain descriptions of games already known to the requester with the purpose of determining the title. These requests typically have only a single relevant answer and the game in question has usually been seen by the requester at least once before.	8spcns → "Ok so a game came out in 2012 I believe on the App Store, I remember it so clearly but I cant remember the name of it." 8otlgu → "Hi there, For a few days now I am trying to remember a small game you (10 years ago) could find on those old gaming websites with little videogames."
		Sequence	Requests for the order in which to play a set of games.	Examples include recommendations for the order in which to play a set of games, best sequel games, games that received an award. These requests could often lack an explicit need description.	no example in the data set
		Similarity	Requests for games that list other games that the requested games should (not) be similar to.	Examples include requests for similar work, sometimes with respect to specific aspects, such as genre, plots, experience, mechanics etc.	8oo20l → "I am looking for game with similar combat system to Victor Vran" 8pzcxm → "I recently got Momodora 4 on console and I'm loving it, so I suppose games similar to that one. "
How is the request expressed?	Search process	Link to external resource	Requests for games where the user supports the search process by providing a link to an external resource with helpful information.	Examples include requests where users attempt to support the re-finding process by providing a link to an external resource, like a YouTube video or a screenshot of a scene in a game.	8qkh1x → "I rem809a1g → "This image is all I have. I can't even really remember if it's from a game or not. Does anyone know the source of this sprite? https://i.imgur.com/Vy0SYgl.jpg " ember the last boss was in some portal-like area, something like this https://i.ytimg.com/vi/160GmnKOeps/maxresdefault.jpg "
		Not this one	Supporting the search process by explicitly ruling out candidate games as the right answer.	Examples exclude specific (series of) games or game characteristics.	8obb1p → "We tried PUBG, Fortnite, CSGO, Overwatch and they don't really interest us anymore. " 8pclte → "I am not looking for a FPS."
		Search history	Supporting the search process by describing the previous steps taken by the user.	Examples include descriptions of the (unsuccessful) re-finding process, such as previous strategies and steps taken by the user.	8swd02 → "sometimes the memories come up, I start searching, yet without result. This time I give it a try here." 8pcgz5 → "I have searched high and low and can't seem to find the name of this game so any help is appreciated!!!!
		Situation of exposure	Supporting the re-finding of games by describing the situation in which the user first encountered it.	Examples include requests where users describe the situation in which they were exposed to a specific game (e.g., in school, renting it from Blockbuster, seeing a trailer for the game, etc.).	8qu50t → "I remember we got the game from a cereal box, General Mills I believe was the cereal manufacturer, they were giving out game demo discs in the cereal boxes for a while. It was during that time." 8s8w2t → "I used to play this game on a browser at my grandfather's old house when we used to visit."

MOVIES

Top-level category	Sub-category	Short description	Clarification	Example quotes	
What should it be about?	Content	Character(s)	Requests for movies that identify specific characters, types of characters or character development.	Examples include requests for particular people or characters with a particular feature and organizations.	227429286 → "The plot was about a man whose mother was murdered years ago and now begins a relationship with a blonde woman. His brother (Shatner) is a police or detective who suspects that the woman is dangerous" 265657517 → "I remember this British cartoon that was on YTV (Canadian network) sometime during the nineties. The kids, three(?) boys had large heads, one of them (the main one, I believe, who was bald) had an ugly eyebrow ridge. They were pretty foul-tempered"
		Dialogue & lyrics	Requests for movies that contain a particular phrase or style of dialog.	Examples could include movies that contain a particular phrase or quote or movies that have dialogue between the characters.	225258701 → "Where is the following quote from? I think it is safe to say it's from a film at least five years old. "if work was only about making money, we'd all be dentists" (it is not a direct quote, I am paraphrasing)". 263434664 → "All I can remember is a female character saying in an extremely (and purposefully) exaggerated southern accent (almost like an exaggerated version of Sandra Bullock's accent in The Blind Side), "Oh my god, what?" She pronounces "what" like "whot!."
		Graphic design	Requests for movies that have a particular design or cinematography.	Examples include requests for movies with a particular cinematography. E.g., "Neo Noir stylistics, Dutch angles, low key lighting, extreme closeups, shadows, and monochrome, muted, and contrasting colors", "atmosphere, setting, dress style, cinematography all very similar", "directed in a very natural and realistic manner, without including stylistic direction/lighting", or films where a salient feature is a specific object, like "a magical piece of chalk", "a red dress" or "a BIG knife".	227823289 → "It was a drama/romance and had some animation segments showing the character's thoughts/dreams." 265060221 → "It's an older movie in black and white."
		Plot	Requests for movies that describe one or more elements of its storyline.	Examples include requests for specific plots, plot points such as happy ending, love triangle, alien invasion etc., or scenes (boys at a football field).	227693731 → "There's a family; a mom, a couple of daughters. At some point, they're imprisoned and/or enslaved by some sort of tyrannical overseers. Forced to build something, carry water around in buckets, etc. The family is torn apart; one of the sisters runs away, the mom dies. Later, one of the daughters is collecting water, and loses her water spoon in the lake. She's worried she'll get in trouble, but the mom's ghost returns the spoon to her." 226509543 → "What I remember, there was the older responsible brother, younger wild brother, blond girl betrothed to older brother then older brother murdered, something hidden in book in library, younger brother runs. I think he becomes a sheik?? Has a ship and somehow the woman ends up on his boat and recognizes him. In the end they get the proof from the book that frees him from suspicion"
		Setting	Requests for movies that play in a specific country, region or setting	Examples could include real places as well as fictional places such as "Hogwarts".	263806915 → "US film 70s or 80s NY or Chicago" 264708688 → " A family moves to the English coast and lives in a house on a sea cliff."
		Sound design	Requests for movies that feature particular in-movie music or sound effects.	Examples could include requests describing specific sounds (doorbells, telephone rings) or sound effects (dramatic sound).	261912117 → "The scene begins with a young woman waking up or something. She immediately looks frightened, and there's suspenseful music." 264408035 → "She sings to him a Frank Sinatra song. It starts to rain."
		Structure	Requests for movies that describe a particular type of structure or sequencing.	Examples could include movies that include episodic content, features flashbacks (e.g., "movies similar in structure like Memento"), include several plots running parallel, has a strict chronological structure, etc.	227460201 → "It is similar to groundhog day with a repeating day but the main character is waking up every morning in a hotel/motel/cabin with his hand on the bedside lamp." 262434873 → "Movies where adults remember being children, then the movie is about their adventures of being children. So adult/adults are roughly present day, and they go back to being kids in the 50s-70s, usually have things like the main adult character narrating by inner monologue, you know the types i mean."
		Time	Requests for movies that are set in a particular time period or around a specific historical event.	Examples could include movie requests that center around a particular historical battle or event (e.g., the attack on Pearl Harbor) or are set during a particular time period.	264063414 → "I believe it was set in the 30's or even earlier, possibly in New York City or one of the boroughs." 226086390 → "I'm looking for World War 2 movies about the aviation."
		Topic	Requests for movies with a particular topic or aspect in a movie.	Examples include requests for a topic or theme such as "romance" or "boxing".	226881765 → "Are there any good, preferably realistic movies about college fraternities?" 225782774 → "Looking for movies about Native Americans. [...] Basically any movie told from the Point of View of Native Americans during the white take-over."
		World building	Requests for movies that feature a particular style of world building.	Examples could include descriptions or requests for movies by outlining specific world building aspects. E.g., "I like how the Matrix slowly revealed the premise as it went on, building the world and setting the rules in which the conflict took place - can anyone suggest something similar?".	265941878 → "When I say fantasy, I mean a world like in "Lord of the Rings" or, to use a video game analogy, "The Legend of Zelda" or "Final Fantasy": A world looking similar to the middle ages or ancient times. A place where magic exists and where they have to fight monsters [...] The movie's fantasy universe should be self-contained. From the contents, it should be a story where the hero (or heroes) have to fight evil, just like in the above examples."

What kind of properties should it have?

Metadata

Audience	Requests for movies that are aimed at a specific audience.	Examples could include requests for movies intended for one or more audiences (e.g., kids, women, high school, movie club, "aimed at young teens", "looking for English-language movies that were aimed at mass audiences (even if not actually made by Hollywood)").	265598560 → "1990's kids movie?" 265941878 → "I'm looking for some fantasy movies like "Lord of the Rings" (only maybe on a smaller scale) that have a serious tone. I.e. not some cute little children's movie. "
Availability	Requests for movies that are available through a particular purchasing model, or requests describing the desired price range or payment model.	Examples include requests containing price information or a particular purchasing/downloading/streaming model (e.g., "Where can I buy it", "Should be available on a particular (purchasing/subscription) platform (like Netflix, Amazon or HBO)").	262908134 → "As some of you might know, Filmstruck a new streaming service has launched with the collaboration between Turner Movie Classics (TCM) and the Criterion Collection. They specialise in art house and hard to find films. So my question is what films on the service do you think deserve more attention?" 230275214 → "I saw it about 4 years ago on pay TV in Australia and for the life of me can't find it anywhere."
Collection, series or franchise	Requests for a movie by describing the collection, series or franchise it is part of.	Requests could include information on the part of which collection, series, anthology or franchise a movie is part. This include movies based on books (e.g., "There was a movie based on a book by a great American Author") and movie novelizations (e.g., "I also remember that I had the official novelisation of this show, so it must have been a big deal at the time"). It would also cover requests for lists of shared universe movies, best sequels, or movies part of some ad-hoc collection, such as movies that received an award.	262551786 → "Anyway I think the show was an anthology series. Every episode featured a new storyline and cast." 227702575 → "I'm looking for a series of short films I saw a few years ago."
Contributor(s)	Requests for movies that have one or more specific people involved in its production.	Examples include requests for directors, producers, writers, actors, actresses, editors, songwriters etc.	225415466 → "I'm looking for a list of 36 movies in which someone who is mainly known as an actor, directs or writes a movie. Ex: Ben Affleck- (Director) The Town, Gone Baby Gone, (Writer)Good Will Hunting Robert Redford- A River Runs Through It, The Conspirator". 225684784 → "I thought Geraldine Chaplin may have starred in it but i can't find it in her filmography so i'm probably wrong."
Genre	Requests for movies that fall in one or more specific genres.	Examples could include requests for one or more genres, movies in a specific tone (e.g., film noir), comparisons between fiction and non-fiction (documentaries), or made-for-TV movies.	224404269 → "It is cold tonight, and I am in the mood for a good horror. Recommend me a few." 263523094 → "I don't remember what kind of movie it was, what the setting was (though I have the feeling it may have been some kind of ww2 comedy)"
Language	Requests for movies in a particular language.	Examples could include requests for movies in foreign languages, translations and other language versions as well as subtitles.	263255875 → "I'd like a list of some of the best films from the Levant region of the Arab world- Syria, Jordan, Lebanon, Palestine, even Iraq. They must be in Arabic." 227010364 → "I have recently remembered of a movie i saw in the 90's mid to late 90's in colour and in the french language with english subtitles."
Popularity	Requests for movies by referring to their (lack of) popularity.	Examples include requests hinting to popular or rather unknown movies (e.g. on movie platforms or streaming services).	260508717 → "Sleepers you watched in theater Or any low B.O. films, little seen, or rarely talked about films, good or bad." 228907821 → "I saw it on a show in Portland, Oregon called Bohemia Afterdark, which aired in the middle of the night and showed really obscure stuff. "
Properties	Request for specific formats or characteristics.	Examples include requests for movies recorded in a particular format (black and white), with specific features, a specific type of end credits, movie budget, shot in a specific country, town or location, etc.	227425773 → "The movie is either 70s, 80s, or early 90s; I wanna say low budget." 228673913 → "I also vaguely remember that it might have been either set or shot (or both) in Australia, as the characters/actors might have had a British or Aussie accent."
Publisher	Requests for movies from a particular publisher or production company.	Examples include requests for movies with a specific company involved in the publishing or distribution of the movie.	229445872 → " I think it was from Disney."
Release date	Requests for a specific date or period a movie was released or watched	Examples include requests for release year, broadcast time, and watching date or period	262664499 → "So this movie I saw back in the late 90s maybe early 2000s, it was playing on TV and I've struggled many years now and cant find anything about it anywhere! " 226742042 → "Hi, trying to remember name of a 1980's comedy movie about [...]"
Soundtrack	Requests for soundtracks.	Examples include requests and discussions about soundtracks or songs.	265092468 → "Name of song in the movie "Tower"? It plays starting at 16 minutes into the film. It almost sounds like The Doors but so far I can't find any soundtrack info." 264625160 → "I'm looking for an instrumental song from Harper. I looked up the soundtrack but I can't find it. It starts at about 37.20 minutes into the move, in a night club. It kinda sound like something Herb Albert would play."
Supplementary material	Requests for a movie by referencing additional materials external to the movie.	Examples include requests for a movie that describe promotional materials (e.g., posters, lobby cards, trailers, etc.), requests that refer to the packaging of the movie, particular DVD features, or requests that refer to related materials (e.g., reviews).	229164413 → "I was wondering the title of a movie that was black and white, possibly from the 60s (could be from 50s or 70s as well) about a thief man and a thief girl. I believe the poster was with moon and they were sitting on it." 230093646 → "What is the name of the movie that has a bunch of Asian guys in suits holding baseball bats on the cover?"
Title	Requests for movies that have a particular title.	Examples include requests for movies with particular (words in the) title or books where the titles have a particular property. E.g., "I seem to recall the word "Star" being in the title. Maybe "Bright Star" or something like that".	265665754 → "I think the title of the film was a french word used in the european fashion industry" 265573718 → "I'm sure the name of it was some mental illness, like Insomnia, Disturbed, Amnesia. I've searched these titles and others, plus went through a dozen lists of peoples favorite thrillers, still can't find it."
Version	Requests for specific versions of a movie.	Examples include requests for remakes, reboots, or comparisons thereof (e.g., "something tells me it was a remake, because at the time the title seemed familiar"), or the first movie of its type.	265904526 → "Could also be a Japanese horror movie or an American remake of a Japanese movie." 228719083 → "I'm also guessing it was adapted from a Tom Clancy, Alistair McLean, John Le Carr, Jack Higgins, Frederick Forsyth, Ross Thomas or Robert Ludlum story."

How should it be written?	Experience	Accessibility	Requests for movies by describing the skill level required to watch them.	Examples include requests requiring or excluding different levels of difficulty, experience or learning curve. E.g. avant-garde movies,	No examples in the data set
		Comprehensiveness	Requests for movies that cover their topic with a certain level of detail.	Examples could include requests for movies that cover a topic extensively or in great detail. For example a thorough documentary series on the French Revolution.	228797719 → "I would like to know what movies exist that tackle fast spreading infection - slightly more interested in movies that deal with a global perspective such as.... 'contagion', 'world war z', '28 weeks later' etc - not necessarily looking for zombie movies, more the infection concept in general."
		Mood	Requests for movies that evoke a certain mood, tone or audience experience.	Examples include request for movies that evoke a certain mood or tone or audience experience (e.g., "movies that will provoke/motivate you to achieve your goals").	263780588 → "Hey guys im looking for films that are so bleak and depressive that they will make a happy person sad or angry". 226208301 → "It is a movie about a doctor that goes to a psychiatric hospital, it is a creepy movie, which i watched years ago".
		Novelty	Requests for movies that are unusual or quirky, or have novel content.	Examples include requests for movies that are out of the ordinary (e.g., "I remember it being extremely creative and interesting", "It was a quirky, innovative short starring tennis shoes!", "Quirky English Film from 1960s") or that promote perspectives on issues that would be novel to the requester.	263952424 → "I don't want to spoil the movie for anyone who hasn't yet seen it so I'm not providing any details but if enough respondents need them I can attach a note giving the exact details of the villain's demise (it's a really unexpected plot twist)." 260812933 → " I remember watching a really bad "horror" movie one time. One of those really cheap, cheesy and lame B-movies. I'm not saying all independent movie are bad, some are quite good but this one totally missed the mark.!"
		Impact	Requests for movies that have a specific impact on the watcher or that motivates them to behave in a certain way.	Examples include requests for movies that change the searcher's view on certain issues like gender, environment, economy, or that motivate the searcher to learn something new or be more active in certain areas (movies that motivate you to be more politically or environmentally active).	263780588 → "im looking for films that are so bleak and depressive that they will make a happy person sad or angry (no spoilers please)"
		Perspective	Requests for movies presenting a story from a particular perspective.	Examples include requests for movies presenting a story from a particular point of view or perspective (e.g., "the girl keeps narrating by talking directly into the camera", "The film is primarily viewed from his perspective of lying on his back in his bed", "I would like to know what movies exist that tackle fast spreading infection - slightly more interested in movies that deal with a global perspective".	225782774 → "Basically any movie told from the Point of View of Native Americans during the white take-over. I'd even take a movie from a white man/woman's perspective as long as the Native Americans aren't mostly bad guys to the plot" 227823289 → "It was a drama/romance and had some animation segments showing the character's thoughts/dreams."
		(Re)play value	Requests for movies by specifying the complexity or re-watchability.	Examples include movies that you have seen several times ("I have seen that with my dad and now want to watch it again with my son") or that you always find new things in, no matter how often you watch it.	No examples in the dataset.
How will it be used?	Context	Context	Requests for movies that describe the context in or purpose for which the requested movies will be used or watched.	Examples include requests that describe the movie watching context (e.g., " I am planning a movie marathon with fun cult movies from the 80's to watch with friends on Sunday").	225710083 → "Looking for movies with scenes of snow, ice, blizzards etc... having a "winter film fest" at my house this winter." 225415466 → "I need lots of suggestions though, because I have 36 slots to fill, and we may or may not have all of the movies listed. I work for a franchised Blockbuster (Yes, there's still a few of us left!!!), and every couple of months, I highlight some older movies under a theme".
What type of need is it?	Information need	Choice	Requests for help in deciding which of a number of movies is the best for a specific situation.	Examples include questions regarding decisions between different options or examples.	260629230 → "Rank The Indiana Jones Films. Rank all four in your order of preference. My ranking is sure to be very controversial but it goes [...]" 264035293 → "Favorite Kwanza movies"
		Discovery	Requests for movies that match relevant aspects, where the searcher is not aware of any movies that match the search criteria.	Examples include requests where the searcher is not aware of any movies that match the need and has no known movies to compare it with (there is no similarity aspect). E.g., "I'd like to see more shows about people making comic books and comic strips, especially behind-the-scenes at comic book companies".	222118391 → "Movies where someone is looking at a map while driving, Not modern technology with GPS and Mapquest or whatever else is there, but a genuine old-fashioned paper map." 265136038 → "Dystopian/Sci-Fi Comedies. Can anyone recommend films that fit this description? I'm talking comedy movies that focus more on post apocalyptic societies and wasteland settings than on deep space and spacecraft travel."
		Known-item	Requests for movies already known with the purpose of re-finding them.	Re-finding (or known-item) requests contain descriptions of movies already known to the requester with the purpose of determining the title and/or director or actor. These requests typically have only a single relevant answer and the movie in question has usually been seen by the requester at least once before.	263806042 → "I'm looking for the name of a movie that came out a few years ago about this grown man who went to visit his parents and then never leaves. He like regresses to what it was like being a kid and starts living at home with them even though he has a wife of his own wondering when he will be back. It was an indie movie that didn't get a lot of press. If I remember correctly the guy was overweight and in his 30s." 228702499 → "the monster attacks a couple bathing in a water body.. there's a scene in which a car with some teenagers won't start... and the monster attacks a woman in a car... the monster happens to be black-ish in colour... the film is from 90's or early 2000s".
		Sequence	Requests for the order in which to watch a set of movies.	Examples include requests for recommendations on what order to watch a set of movies in.	229079827 → "I am looking for a movie about a trained police or military german shepherd dog named Kelly, probably from the early 70's. All I can find is the Australian series from 1991-1992, Was this series based on the movie? I know it was before 1978, because I really liked the name and named one of my children Kelly," 262499671 → "Series 90's (three criminals work for secret organization). Girl and two guys. the Director gave them the missions. Pretty dynamic action."
		Similarity	Requests for movies that list other work that the requested item should (not) be similar to.	Examples include requests for similar work with respect to genre, authors, directors, actors, characters, plots etc.	227101227 → "I am looking for a horror movie bad guy and the movie he was in... it is something from 2000 +/- years. I imagine something like House on Haunted hill." 228306199 → "Can you name some movies like The Matrix or Inception which have an occult feeling to it?"

How is the request expressed?	Search process	Link to external resource	Requests for movies where the user supports the search process by providing a link to an external resource with helpful information.	Examples include requests where users attempt to support the re-finding process by providing a link to an external resource, like a YouTube video clip.	226500340 → "A bank job where someone covers the security camera with a photo of the vault. It may have been "Diamonds" [link to IMBD]" 226212290 → "can some one tell me what is the sound track in this drama ? from which movie ? the sound track start from 46:50 till end of the video? [link to YouTube]".
		Not this one	Supporting the search process by explicitly ruling out candidate movies as the right answer.	Examples include requests where the requester excludes specific movies that they have already considered or checked but are not what they are looking for.	225359993 → "All this time I thought it was American Ninja but it's not. " 265305005 → "So, I don't typically like romances. I refuse to watch the Notebook or A Walk to Remember. Clearly there are people who can love that kind of movie, and I am not that kind of person".
		Search history	Supporting the search process by describing the previous steps taken by the user.	Examples include descriptions of the (unsuccessful) re-finding process, previous strategies and steps taken by the user.	225553062 → "When I saw "Leave Yesterday Behind" in John Ritter's filmography, I thought I'd found it...but its details don't match my memory" 262687766 → "Searched taglines climbing co-ed group eastern Europe prisoner and human trafficking to no avail."
		Situation of exposure	Supporting the re-finding of movies by describing the situation in which the user first encountered it.	Examples include requests where users described the situation in which they were exposed to a specific movie e.g., in school, with friends, during their childhood seeing an ad, etc.	264529992 → " I saw this movie at a metro-Detroit art-type theater in the mid 80s, the kind of place that always played foreign films." 230508295→ "saw part of this movie on one of the movie channels about 6 months ago. showtime or starz or encore. [...] i happened to turn the tv on one day when i was home on my lunch break so i only got to see about 30 minutes of it but it seemed interesting and i just forgot what it was called".

MUSIC

Top-level category		Sub-category	Short description	Clarification	Example quotes
What should it be about?	Content	Dialogue & lyrics	Requests for song(s) that contain a particular phrase or style of lyrics.	Examples include requests for music that refer to (part(s) of the) lyrics or ask for a specific lyrical quality or properties.	8st2l7 → "song that goes "my leg bone is connected to my feet bone" 8o50xx → "Someone sang a cover but I can't remember the exact lyrics - something like "rushing wind at night" and "stars are singing a new tune" were in it!"
		Instrument(s)	Requests for music by describing the instruments used in it.	Examples include requests for specific instruments users remember from listening or would like to hear (e.g., guitar, bass, drums, piano). Requests for instrumental music also fall under this code.	8s0ixm → "It was very popular and it had this famous violin little riff that was rtly catchy." 8sd8yl → "But I remember wedding bells, lover boy, glasses clinking, and their is an a orchestral sounding ending."
		Melody	Requests for music by describing the melody.	Examples include requests for music that describe the melody of a song, either by describing its general properties or by including actual music notes/chords (e.g., "song starts with a lot of E's on the piano..." or "the singer went like... _ _ _ _ _ _ _ _ _ _").	8qoehs → "It's normal until Lisa's saxophone solo, where it goes deep and slow to high and fast until it gets to like this party/house kind of remix?" 8py3hd → "G D D G G G G G A B C D C B A G its some super sad piano song."
		Plot	Requests for music that tells a particular story or type of story, either through lyrics or song titles.	Examples include requests for songs about a love story that ends well (but not songs about love) or for a concept album that is about Martians landing on earth.	8qjbrb → "Features lots of professional football(soccer) players and says something about being the kid no one saw coming" 8odzwe → "The guy is confident, singing with a very persuasive tone that he's going to take his muse "around" to see some sights and show her a good time around the sea or the ocean or the harbor or the bay ???"
		Rhythm & tempo	Requests for music by describing the rhythm and/or tempo.	Examples include requests for music with specific rhythms or rhythmic impressions of the lyrics/music. For example, "...it goes like "tu tu tuturu tu tu tuturu tu tu tuturu in the love to delight". Or requets describing the tempo (e.g., slow paced, slow-moderate tempo, up beat).	8sqkde → "It's a mid-tempo ballad, the chorus lyrics are..." 8sunld → "High pitched beat song, with beat that sounds like beginning of NY State of Mind by Nas".
		Sound design	Requests for music by describing the sound/style, sound effects, or samples used.	Examples include requestes for a particular sound/style of a song/band (e.g., "It's a very light, almost circus style version"), requests describing the sound effects used (clocks ticking, "sounds a lot like the "shwing" sound of a sword being drawn in an old cartoon"), or requests for identifying songs through the use of samples in other songs.	8sjli2 → "I'm going to start off that the singer was male and their voice was very similar to David Bowie in sound and style. The style of the music was similar to a Latin jazz percussion, mixed with a funk sound. The chorus would slow down however to a similar style as Bowie's space oddity, with various "spacey" sounds layered in." 8q2lj5 → "This song has a really harsh sound, almost like a djent song with heavy guitar notes and drums that stop and are followed by some creepy, high pitched notes."
		Structure	Requests for music by describing its structure/sequencing	Examples include requests for music that highlight specific parts of its structure (e.g., intro, chorus, verse, bridge, outro, but also "at the beginning" and "at the end").	8og6c9 → "I only remember the intro, a sort of whispered intro over a simplistic beat, in which the following lines were repeated..." 8rho6e → "Its a rock song with some screamoish, and then the beat gets a lot slower after that chorus line and it's like normal talking"
		Topic	Requests for music that cover a specific topic.	Examples include requests for songs about a specific topic or theme (e.g., break-up songs).	8qnxaj → "The title or theme the song tries to convey is something related to living with depression." 8qnsx6 → "I am trying to find a song about a Bonnie and Clyde love story."
		Vocals	Requests for music by describing the vocals.	Examples include requests for music that mention vocal range or the gender of the vocals.	8r8ks8 → " The vocals were soft, male, no deep voice." 8suelk → " Female singer, sounded young, pop and new-ish"
		Audience	Requests for music aimed at a specific audience.	Examples could include music written or played for children, music for black people, women/men, the LGBTQ community, or music that appeals to opera aficionados.	No examples in the dataset.

What kind of properties should it have?

Metadata

Availability	Requests for music that is available through a particular purchasing model, or requests describing the desired price range or payment model.	Examples include music that is available on Spotify or YouTube, or that is sold for a certain price, or that can be purchased via specific vendors.	8s4pqb → "that heavy electronic remix was uploaded by this guy on soundcloud, but I can swear I had heard it before under a different name." 8pw69p → "Heard a hard rock song on Spotify that goes One. Two. Three. Fuck. It. Up."
Collection, series or franchise	Requests for music by describing the collection it is featured in.	Examples include songs on a particular regular album, compilation album, or compilation series (e.g. "Best Pop hits from the 19XXs volume 2", "MTV-unplugged", "songs about Lord of the Rings."). Requests for songs on soundtracks should not be coded with this, but with 'Soundtrack' instead.	8p1keb → "I had a tape when I was a kid that had a wide range of music on it, which leads to believe it was a billboard compilation or something similar." 8qoehs → "So it's this Simpsons opening remix."
Contributor(s)	Requests for music by referring to its creator (s), i.e., composer(s) and/or lyricist(s) or its performer(s).	Examples include requests for music where the requester names or describes contributors, either on studio recordings, in live performances, or cover artists. Describing contributors can include physical appearance, age, gender, country of origin/residence.	8oh0ya → "Song from the 2010s, 2011-2014 presumably From the US, UK or Australia Sung by a girl, may be a band tho Santigold - Florence + The Machine vibes to it" 8p31n3 → "Does anyone know this Ali-A intro song???? I've tried to find it with no success"
Genre	Requests for music that falls in one or more specific genres.	Examples include music or artist representing one or more specific genres like hip-hop, motown or classic rock, but not music for a specific audience (e.g. children's music) or a specific purpose (e.g. party music).	8ok4ec → "Rock song which's instrumental is similar to Summer Of 69" 8r7bif → "Dreamy/Dark/Surreal J-pop?"
Language	Requests for music written in a particular language.	Examples include songs with lyrics written in French or English or requests where part of the lyrics are given and reveal the language a song is written in.	8q4q75 → "I'm not sure about the language but it sounded like something from the balkan (maybe croatian)[...] I just remember the refrain, but because I don't know the language I'm not sure how to write it. These are some possible options which I thought about: A vierta , vierta de piaz... La pierta , pierta de plaza... La bierta , bierta de pasa... La viersa , viersa de paca... " 8som74 → "I've been looking for an EDM song from around 2008 with a chorus of children singing to a "riddle", I think it's about a spider, and it's most probably in Italian. "
Popularity	Requests for music by referring to its (lack of) popularity.	Examples include requests for music that is popular or obscure (overall or in a specific period or time), in terms of airplay, record sales or streams or how well-known it is. Also includes posts that assume that only a few people are aware of a particular item due to its lack of popularity (e.g.: "I don't think it has been played somewhere...").	8s91e2 → "Was very popular in the 70's." 8ptgdc → "It was popular. It played on the radio (at least I think) top 40's sort of song. "
Properties	Request for music by specifying specific formats or characteristics.	Examples include format (CD vs. tape), length of songs or album ("I don't want albums with very long songs").	8r9ahj → "A friend I no longer am in contact with (pre-social media, in the 90s) once introduced me to an incredibly cool music album (probably on cassette tape)." ID → "I had a tape when I was a kid that had a wide range of music on it, which leads to believe it was a billboard compilation or something similar. "
Publisher	Request for music releases published by a specific company, label or studio.	Examples include music released through specific record labels like EMI, Geffen, Fat Wreck or Epitaph.	8qou3y → "The album was definitely released within the last 3 or so years and American released "
Release date	Requests for a specific date or period a song or music piece was released or heard.	Examples include describing the release date or period of a song or album. Also when people describe the time of exposure to this song (like as a kid) which reveals something about the age of the song.	8pcm9n → "heard this song today its i think 3-8 years old" 8r9x2k → "I have two song that I been trying to remember since I last heard them from my teenage years(the 2000's)"
Soundtrack	Requests for music by describing how it was used as (part of) a soundtrack.	Examples include requests for music used on the soundtrack of movies or TV shows as well as music used in the background of advertisements, Instagram stories, etc.	8rmum2 → "Heard this in someone's Insta video, it's a super short bit, I can't make out the words in it and using applications like shazam hasn't helped" 8obq2k → "In Episode 224 of the Korean T.V. Show, Return of Superman, there is a song in the ending of Seungjae's clip. It starts from 5:17 to 6:40. As a non-Korean person, I'm having great difficulty finding this [...]"

		Supplementary material	Requests for a song by referencing its music video or materials that an album/single was sold together with.	Examples include descriptions of the album cover, information about the music video belonging to the song, often with the aim of re-finding it. Examples include requests for songs/music by describing what happens in the music video or certain people who are in the video. They also include examples of music that was sold with additional (physical materials) or in combination with other items.	8rghy9 → "Does anyone know the name of this german band, I remember they had a music video with blank poster cards, and it kept going forward and backwards." 8srt6 → "the cover was animated. the background was red and the singer was drawn floating in the center, wearing a white top and jean shorts. he had long brown hair and a beard. looked like Jared Leto????"
		Title	Requests for songs that have a particular title.	Examples include titles of songs where the requester is uncertain about the title or only knows part of a title like a sing word or part of a phrase.	8q5obd → "So back in elementary school, (in rural New Brunswick) we had a small concert at my school. I remember it was my 4th grade teacher's brother's band playing. They played a song I can only describe as a french version to the Irish song *Rattlin Bog*." 8qerf3 → "I can't remember it, and I heard it at a coffee shop. It has the word 'Another' in the title, or 'Another' is used in the lyrics a lot."
		Version	Requests for specific versions of a song.	Examples include references to regular album versions, live versions, remixes, alternate takes and cover versions.	8sqe5b → "I'm looking for house of the rising sun by Jimi Hendrix but not the verison that comes up when you first search it but a slower verison a friend and I used to have it but we lost it forever" 8q6zcw → "A cover of electric boogie, a somber version of it"
How should it be written?	Experience	Accessibility	Requests for music by describing the skill level required to play or to understand or write out its rhythm.	Examples include requests requiring or excluding music that is difficult to listen, sing, dance or play along to. 12-tone and micro-tonal music	No examples in the dataset.
		Mood	Requests for music that evoke a certain mood, vibe, or listening experience.	Examples include request for music that evoke a certain atmosphere, mood, vibe, feeling, tone or listening experience.	8pc98s → "I've been looking for songs to put me in the mood while I work on a project, but by simply searching I mostly find "unironically creepy" music and soundscapes like those you'd find in horror movies etc. I'm looking for something fun related to Ghosts and halloween, something groovy or even childish. For instance MJ's Thriller, the Ghostbusters theme, the opening to Goosebumps all fit in the sort of vibe I'm looking for." 8o0ycg → "I remember listening to a song that was great for driving with the windows down. I had totally forgotten that song existed, but today I was listening to Børns, and something about that music triggered a memory of it. I think the singer has the same high voice as him. I remember it being awesome imagery of the a turquoise blue ocean and something about the color gold...maybe a sunset?"
		Novelty	Requests for music that is/was unusual in general or for people familiar with specific genres or artists.	Examples include requests for music where the artists tries something that is hard to describe and never done before, or requests where the requester specifies what they're familiar with and are looking for music that is somewhat or completely different from it.	8oxgzj → "Looking for weird, unapologetically-pop pop music" 8r8ks8 → "The song itself was interesting to hear, not your typical rock or pop or indie song. "
		Impact	Requests for music that have a specific impact on the listener or that motivates them in a certain way.	Examples include requests for music that makes the listener want to dance or run or sing along, or lyrics that change their views or opinions, about music or anything else.	8pk1g1 → "Oscar Peterson fucking dying while playing his heart out. Its so amazingly great." 8ruba8 → "Epic music starts playing"
		(Re)play value	Requests for music that you want to re-play.	Examples include requests for music that you can listen to on repeat (not the same as listen to repeatedly) or that keeps revealing new aspects or layers to the listener.	No examples in the dataset.
		Context	Requests for music that describe the context in or purpose for which the requested music will be used.	Examples include requests that describe the music listening context. For example listening to romantic songs with my girlfriend, songs for rainy days, songs to exercise to, work to or play in the car.	8s6wyb → "Need song ideas for a Gig" 8r68yp → "I love listening to music while I draw. Usually I just shuffle through stuff on Google Play or Youtube, but I'm trying to put together some curated playlists. I'm finding that I really enjoy trip hop, nostalgic electronica, melancholic female singers, and generally downtempo music that I can really get immersed in while I draw. "
		Choice	Requests for a particular choice between two or more specific pieces of music or music albums.	Examples include requests where the requester wants input on which of a specific list of albums to buy or which version to get.	No examples in the dataset.

What type of need is it?	Information need	Discovery	Requests for music that matches relevant aspects, where the searcher is not aware of any music that matches the search criteria.	Examples include requests where the requester describes criteria that the music should match and where the searcher is not aware of any music that match all of the requested criteria.	8p3m2w → "Looking for something that's like a mashup of Velvet Underground and Beck's Odelay" 8smqq9 → "I am looking for songs for female belters. Hopefully a duet or a trio in the song as well"
		Known-item	Requests for music already known with the purpose of re-finding them.	Examples include songs or albums that requesters have heard before or seen music videos of but can't remember the name of, or where they know the title/artist but are looking for a specific version or way of obtaining it.	8qaqa7 → "I've been looking for this song all day, i am pretty sure its a Talib Kweli, Mos Def song. Its about a girl that they/ he lost contact with and cannot find, ironically its a song i cannot find." 8ss52o → "There is a song I heard a while back where a male rock singer is imitating a guitar as it goes higher and higher in a breakdown part of a song, can't remember what it's called."
		Sequence	Requests for music where the sequence matters.	Examples include requests for songs that are good to add to an existing playlist, or music that is a good next step (based on previous experiences) to explore a certain genre or prolific artist.	No examples in the dataset.
		Similarity	Requests for music that list which songs or bands the requested music should (not) be similar to.	Examples include requests for similar work with respect to a specific song, band, singer, or sound etc.	8pzm3 → "Any bands like late Radiohead/Thom Yorke solo career?" 8lutmp → "I love this track and I hope there is a replica or a certain style name, [link to music]"
How is the request expressed?	Search process	Link to external resource	Requests for music where the user supports the search process by providing a link to an external resource with helpful information.	Examples include requests for music where the user provides a recording of the user imitating aspects of the music. Also includes when people refer to the exact timecode when a song starts in e.g. a movie, radio/tv program or other recording.	8s66ns → "Any know the name of the song in the background? [Link to YouTube]" 8qxa66 → "There is an epic instrumental music at the last minute of "Work it for me - extended" by Nextale nailze. I've heard it in many clips. Here is the link to it: [Link to Spotify]"
		Not this one	Supporting the search process by explicitly ruling out candidate music as the right answer.	Examples include requests where the requester mentions specific songs/albums that they have already considered or checked but are not what they are looking for.	8q2lj5 → "There is a metal/hard rock type song that plays during UFC on FS1, usually between rounds when they are comparing MMA fighters. It is NOT "Face the Pain" by STEMM or "Baba O'Reilly" by The Who." 8qerf3 → "I can't remember it, and I heard it at a coffee shop. It has the word 'Another' in the title, or 'Another' is used in the lyrics a lot. As far as i'm aware, it isn't a love song. It sounds like hip hop, and its not 'Another one bites the dust'."
		Search history	Supporting the search process by describing the previous steps taken by the user.	Examples include how they searched for it (e.g., via Shazam, Spotify).	8r550p → "I had a cover of Frank Oceans "Thinkin Bout You" on Spotify last week, but I can't find it because I don't think the artist used the name of the song for some reason. [...] It was on my Discover Weekly and that has since updated. ./ I can't find it anywhere after scouring for a couple days." 8pn2l6 → "Hey guys, I heard a great song today while in the above store and unfortunately I didn't record it, but its a pop song sang [...] (Also currently looking for the stores playlists too)"
		Situation of exposure	Supporting the re-finding of music by describing the situation in which the user first encountered it.	Examples include requests where users describe the situation in which they first heard a song, e.g., at school, in a movie, streaming platform, radio channel, advertisement, YouTube, etc.	8q5obd → "So back in elementary school, (in rural New Brunswick) we had a small concert at my school. I remember it was my 4th grade teacher's brother's band playing." 8sxngp → "My father passed away several years ago. He loved music, and often played music videos for me. He played one for me repeatedly, and I can't remember the song in it, just the images."

COMPARISON

Top-level category		Sub-category	Books	Games	Movies	Music
What should it be about?	Content	Character(s)	✓	✓	✓	
		Cutscene(s)		✓		
		Dialogue & lyrics	✓	✓	✓	✓
		Gameplay mechanics		✓		
		Graphic design	✓	✓	✓	
		Instrument(s)				✓
		Melody				✓
		Plot	✓	✓	✓	✓
		Rhythm & tempo				✓
		Setting	✓	✓	✓	
		Sound design		✓	✓	✓
		Structure	✓	✓	✓	✓
		Time	✓	✓	✓	
		Topic	✓	✓	✓	✓
		Vocals				✓
World building	✓	✓	✓			
What kind of properties should it have?	Metadata	Audience	✓	✓	✓	
		Availability		✓	✓	✓
		Collection & series	✓	✓	✓	✓
		Contributor(s)	✓		✓	✓
		Genre	✓	✓	✓	✓
		Language	✓	✓	✓	✓
		Popularity	✓	✓	✓	✓
		Properties	✓	✓	✓	✓
		Publisher	✓	✓	✓	
		Release date	✓	✓	✓	✓
		Soundtrack		✓	✓	✓
		Supplementary material		✓	✓	✓
		Title	✓	✓	✓	✓
		Version	✓	✓	✓	✓
How should it be written?	Experience	Accessibility	✓	✓		
		Comprehensiveness	✓	✓	✓	
		Mood	✓	✓	✓	✓
		Novelty	✓	✓	✓	✓
		Impact	✓	✓	✓	✓
		Perspective (Re)play value	✓	✓	✓	
How will it be used?	Context	Context	✓	✓	✓	✓
		Connectivity		✓		
How should the user interact with it?	Interactivity	Controls		✓		
		Expandability		✓		
		Game mode		✓		
What type of need is it?	Information need	Choice	✓	✓	✓	
		Discovery	✓	✓	✓	✓
		Known-Item	✓	✓	✓	✓
		Sequence & series	✓		✓	
How is the request expressed?	Search process	Similarity	✓	✓	✓	✓
		Link to external resource	✓	✓	✓	✓
		Not this one	✓	✓	✓	✓
		Search history	✓	✓	✓	✓
		Situation of exposure	✓	✓	✓	✓