

Reg2Req User Study

Please read each question carefully. The survey takes approximately 15-20 minutes. By proceeding you consent to your anonymised responses being used for academic research and published in aggregated form. No personally identifiable information is collected. Responses are stored on Google's servers.

* Indicates required question

1. What is your current role? [select all that apply] *

Check all that apply.

- ☐ Requirements engineer/analyst
☐ Software developer
☐ Other: _____

2. How many years of professional experience do you have in your current role? *

Mark only one oval.

- ☐ Less than 2 years
☐ 2-5 years
☐ 6-10 years
☐ More than 10 years

3. Do you work with regulations or regulatory requirements as part of your current role? *

Mark only one oval.

- ☐ Yes, regularly
☐ Yes, occasionally
☐ Rarely
☐ Never

4. How familiar are you with the General Data Protection Regulation (GDPR)? *

Mark only one oval.

- ☐ No familiarity
- ☐ I am aware it exists, but have not worked with it directly
- ☐ I have some working knowledge
- ☐ I work with it regularly

5. How familiar are you with the EU Artificial Intelligence Act (EU AI Act)? *

Mark only one oval.

- ☐ No familiarity
- ☐ I am aware it exists, but have not worked with it directly
- ☐ I have some working knowledge
- ☐ I work with it regularly

6. Have you previously used any tool to support regulatory compliance in software development (e.g. compliance checkers, requirement extraction tools)? *

Mark only one oval.

- ☐ Yes
- ☐ No

7. If yes, please name the tool:

8. If yes, did that tool provide explanations or rationale alongside it's outputs?

Mark only one oval.

- ☐ Yes
- ☐ No
- ☐ Not applicable, I have not used such a tool

Requirements Without Explanations

The following five requirements were automatically derived from regulatory clauses by Reg2Req. Please read the requirements carefully and answer the three questions. Do not consult any external sources.

9. **Requirement 1 of 5 [GDPR-34-1 / R1]**

*

Derived requirement: *The system shall communicate a personal data breach to the data subject without undue delay when the personal data breach is likely to result in a high risk to the rights and freedoms of natural persons.* How well do you understand what this requirement asks the system to do?

Mark only one oval.

	1	2	3	4	5	
I do	☐	☐	☐	☐	☐	I understand it completely

10. How confident are you that you could act on this requirement in your role without consulting the original regulation? (e.g. implement it, test it, or specify it further depending on your role) [rate 1–5]

Mark only one oval.

	1	2	3	4	5	
Not	☐	☐	☐	☐	☐	Very confident

11. Can you identify a concern or ambiguity that might affect the implementation of this requirement? *

Mark only one oval.

☐ No concern identified

☐ Yes

12. **Requirement 2 of 5 [GDPR-24-2 / R1]** *

Derived requirement: *The system shall enable the implementation of appropriate data protection policies by the controller when proportionate to the processing activities.*

How well do you understand what this requirement asks the system to do?

Mark only one oval.

1 2 3 4 5

I do ☐ ☐ ☐ ☐ ☐ I understand it completely

13. How confident are you that you could act on this requirement in your role without consulting the original regulation? (e.g. implement it, test it, or specify it further depending on your role) *

Mark only one oval.

1 2 3 4 5

Not ☐ ☐ ☐ ☐ ☐ Very confident

14. Can you identify a concern or ambiguity that might affect the implementation of this requirement? *

Mark only one oval.

- ☐ No concern identified
- ☐ Yes

15. **Requirement 3 of 5 [EU AI Act — EUAI-14-2 / R1]** *

Derived requirement: *The system shall enable human oversight to prevent or minimize risks to health, safety, or fundamental rights when the system is used as intended or under reasonably foreseeable misuse.*

How well do you understand what this requirement asks the system to do?

Mark only one oval.

1 2 3 4 5

I do ☐ ☐ ☐ ☐ ☐ I understand it completely

16. How confident are you that you could act on this requirement in your role without consulting the original regulation? (e.g. implement it, test it, or specify it further depending on your role) *

Mark only one oval.

1 2 3 4 5

Not ☐ ☐ ☐ ☐ ☐ Very confident

17. Can you identify a concern or ambiguity that might affect the implementation of this requirement? *

Mark only one oval.

- ☐ No concern identified
- ☐ Yes

18. **Requirement 4 of 5 [EU AI Act — EUAI-14-3 / R1]** *

Derived requirement: *The system shall support the implementation of oversight measures that are proportionate to the risks, level of autonomy, and context of use.*

How well do you understand what this requirement asks the system to do?

Mark only one oval.

1 2 3 4 5

I do ☐ ☐ ☐ ☐ ☐ I understand it completely

19. How confident are you that you could act on this requirement in your role without consulting the original regulation? (e.g. implement it, test it, or specify it further depending on your role) *

Mark only one oval.

1 2 3 4 5

Not ☐ ☐ ☐ ☐ ☐ Very confident

20. Can you identify a concern or ambiguity that might affect the implementation of this requirement? *

Mark only one oval.

☐ No concern identified

☐ Yes

21. **Requirement 5 of 5 [EU AI Act — EUAI-9-8 / R3]** *

Derived requirement: *The system shall ensure that testing of high-risk AI systems is carried out using previously defined metrics and probabilistic thresholds appropriate to the intended purpose.*

How well do you understand what this requirement asks the system to do?

Mark only one oval.

1 2 3 4 5

I do ☐ ☐ ☐ ☐ ☐ I understand it completely

22. How confident are you that you could act on this requirement in your role without consulting the original regulation? (e.g. implement it, test it, or specify it further depending on your role) *

Mark only one oval.

1 2 3 4 5

Not ☐ ☐ ☐ ☐ ☐ Very confident

23. Can you identify a concern or ambiguity that might affect the implementation of this requirement? *

Mark only one oval.

- ☐ No concern identified
- ☐ Yes

Same Requirements with Plain-Language Explanations

The same five requirements are shown again, this time alongside a plain-language explanation generated by Reg2Req. The explanation is intended to help developers, testers, auditors, requirements engineers, and requirements analysts without legal training understand the connection between the requirement and its regulatory source. Please re-read each item and answer the three questions below.

24. **Requirement 1 of 5 [GDPR-34-1 / R1]** *

Derived requirement: The system shall communicate a personal data breach to the data subject without undue delay when the personal data breach is likely to result in a high risk to the rights and freedoms of natural persons.

Plain-language explanation: The system must promptly notify the affected person if a data breach could seriously impact their rights or freedoms. 'Without undue delay' means notification should happen as soon as it is reasonably possible — there is no fixed deadline, but delays must be justifiable. 'High risk to rights and freedoms' refers to risks such as identity theft, financial loss, discrimination, or loss of confidentiality. How well do you understand what this requirement asks the system to do?

Mark only one oval.

1 2 3 4 5

I do ☐ ☐ ☐ ☐ ☐ I understand it completely

25. How confident are you that you could act on this requirement in your role without consulting the original regulation? (e.g. implement it, test it, or specify it further depending on your role) *

Mark only one oval.

1 2 3 4 5

Not ☐ ☐ ☐ ☐ ☐ Very confident

26. Did the explanation reveal a concern or nuance that you had not noticed in Section 2? *

Mark only one oval.

☐ No – I had already identified any concerns

☐ Yes

27. **Requirement 2 of 5 [GDPR-24-2 / R1]** *

Derived requirement: The system shall enable the implementation of appropriate data protection policies by the controller when proportionate to the processing activities.

Plain-language explanation: The system must allow the controller to put in place data protection policies that are suitable for the type and scale of processing being done. 'Appropriate' and 'proportionate' mean the policies should match the risk level — more extensive processing of sensitive data requires more rigorous policies.

How well do you understand what this requirement asks the system to do?

Mark only one oval.

1 2 3 4 5

I do ☐ ☐ ☐ ☐ ☐ I understand it completely

28. How confident are you that you could act on this requirement in your role without consulting the original regulation? (e.g. implement it, test it, or specify it further depending on your role) *

Mark only one oval.

1 2 3 4 5

Not ☐ ☐ ☐ ☐ ☐ Very confident

29. Did the explanation reveal a concern or nuance that you had not noticed in Section 2? *

Mark only one oval.

☐ No – I had already identified any concerns

☐ Yes

30. **Requirement 3 of 5 [EU AI Act – EUAI-14-2 / R1]** *

Derived requirement: The system shall enable human oversight to prevent or minimize risks to health, safety, or fundamental rights when the system is used as intended or under reasonably foreseeable misuse.

Plain-language explanation: The system must allow humans to monitor and intervene in its operation to prevent harm, even when the system is used in unintended but predictable ways. 'Reasonably foreseeable misuse' means misuse that could be anticipated during design — not just correct use. 'Fundamental rights' includes rights such as privacy, non-discrimination, and due process.

How well do you understand what this requirement asks the system to do?

Mark only one oval.

1 2 3 4 5

I do ☐ ☐ ☐ ☐ ☐ I understand it completely

31. How confident are you that you could act on this requirement in your role without consulting the original regulation? (e.g. implement it, test it, or specify it further depending on your role) *

Mark only one oval.

	1	2	3	4	5	
Not	☐	☐	☐	☐	☐	Very confident

32. Did the explanation reveal a concern or nuance that you had not noticed in Section 2? *

Mark only one oval.

☐ No – I had already identified any concerns

☐ Yes

33. **Requirement 4 of 5 [EU AI Act – EUAI-14-3 / R1]** *

Derived requirement: The system shall support the implementation of oversight measures that are proportionate to the risks, level of autonomy, and context of use.

Plain-language explanation: The system must apply enough care and safeguards to keep high-risk AI systems compliant with the EU AI Act at all times. The required level of rigour is not fixed — it scales with the risk profile of the system and must be reassessed as the system evolves or its operational context changes.

How well do you understand what this requirement asks the system to do?

Mark only one oval.

	1	2	3	4	5	
I do	☐	☐	☐	☐	☐	I understand it completely

34. How confident are you that you could act on this requirement in your role without consulting the original regulation? (e.g. implement it, test it, or specify it further depending on your role) *

Mark only one oval.

	1	2	3	4	5	
Not	☐	☐	☐	☐	☐	Very confident

35. Did the explanation reveal a concern or nuance that you had not noticed in Section 2? *

Mark only one oval.

☐ No — I had already identified any concerns

☐ Yes

36. **Requirement 5 of 5 [EU AI Act — EUAI-9-8 / R3]** *

Derived requirement: The system shall ensure that testing of high-risk AI systems is carried out using previously defined metrics and probabilistic thresholds appropriate to the intended purpose.

Plain-language explanation: The system must use metrics and thresholds for testing that were defined before testing begins — not chosen after seeing results. 'Appropriate to the intended purpose' means the metrics must reflect the real-world performance criteria for the specific use case, not generic benchmarks.

How well do you understand what this requirement asks the system to do?

Mark only one oval.

	1	2	3	4	5	
I do	☐	☐	☐	☐	☐	I understand it completely

37. How confident are you that you could act on this requirement in your role without consulting the original regulation? (e.g. implement it, test it, or specify it further depending on your role) *

Mark only one oval.

	1	2	3	4	5	
Not	☐	☐	☐	☐	☐	Very confident

38. Did the explanation reveal a concern or nuance that you had not noticed in Section 2? *

Mark only one oval.

- ☐ No – I had already identified any concerns
- ☐ Yes

Perceived Utility of Reg2Req Supporting Features

Reg2Req provides five supporting features alongside requirement derivation. Each feature is described below with an example output screenshot. Please review each feature and answer the two questions that follow.

39. **Feature 1: FR/NFR Classification** ★

Each derived requirement is automatically classified as a functional requirement (FR), a non-functional requirement (NFR), or both. This helps prioritise requirements and assign them to the correct stakeholder and appropriate engineering activities such as design, testing, or architecture review.

How useful would the FR/NFR Classification feature be when working with regulatory requirements in a software project?

Requirements

Filter by FR/NFR Label

Filter by Clause ID (partial match)

All labels



Showing 449 of 449 requirements

	Req. ID	Clause ID	Requirement (preview)	FR/NFR	Use Case
☐	GDPR-6-1-R1	GDPR-6-1	The system shall ensure that personal data processing occurs only if at least one specified law...	FR+NFR	Yes
☐	GDPR-6-4-R1	GDPR-6-4	The system shall, when processing personal data for a purpose other than that for which the dat...	FR	Yes
☐	GDPR-7-1-R1	GDPR-7-1	The system shall enable the controller to demonstrate that the data subject has consented to th...	FR	Yes
☐	GDPR-7-2-R1	GDPR-7-2	The system shall present any request for consent in a written declaration that also concerns ot...	FR+NFR	Yes
☐	GDPR-7-2-R2	GDPR-7-2	The system shall present any request for consent in an intelligible and easily accessible form,...	FR+NFR	Yes
☐	GDPR-7-2-R3	GDPR-7-2	The system shall ensure that any part of a written declaration for consent that infringes this ...	NFR	Yes
☐	GDPR-7-3-R1	GDPR-7-3	The system shall allow the data subject to withdraw consent at any time.	FR	Yes
☐	GDPR-7-3-R2	GDPR-7-3	The system shall ensure that withdrawing consent is as easy as giving consent.	FR	Yes
☐	GDPR-7-3-R3	GDPR-7-3	The system shall inform the data subject, before consent is given, that consent can be withdraw...	FR	Yes
☐	GDPR-7-4-R1	GDPR-7-4	The system shall assess whether consent is freely given by taking into account if the performan...	FR	Yes
☐	GDPR-8-1-R1	GDPR-8-1	The system shall ensure the processing of children's personal data is subject to the approval of...	FR	Yes

Mark only one oval.

1 2 3 4 5

Not ☐ ☐ ☐ ☐ ☐ Very Useful

40. **Would you use this feature when working with regulatory requirements in a software project?** ★

Mark only one oval.

☐ Yes

☐ No

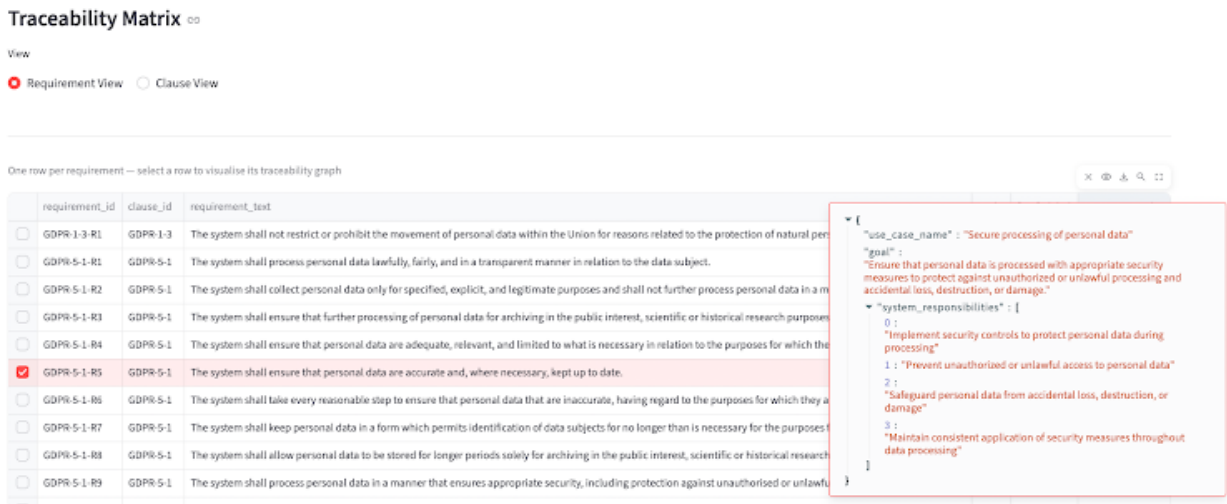
☐ Maybe

41. **Feature 2: Use Case Seed Generation**

★

For functional and mixed FR/NFR requirements, Reg2Req generates a partial use case seed including the use case name, goal, and a list of system responsibilities. These seeds are intended as a starting point for use case development, not a complete specification.

How useful would the Use Case Seed Generation feature be when working with regulatory requirements in a software project?



Mark only one oval.

1 2 3 4 5

Not ☐ ☐ ☐ ☐ ☐ Very Useful

42. **Would you use this feature when working with regulatory requirements in a software project?**

★

Mark only one oval.

☐ Yes

☐ No

☐ Maybe

43. **Feature 3: Cross-Reference Identification and Typing**

★

Reg2Req identifies references within derived requirements to other clauses or articles in the regulation (e.g. 'subject to Article 89(1)') and classifies each as one of three types: exception reference, definition reference, or neutral reference.

A definition reference occurs when the clause explicitly imports or relies on a term defined elsewhere; an exception reference occurs when the clause limits, qualifies, or conditions its applicability by reference to another provision; and a neutral reference captures any explicit cross-reference that does not carry definitional or exception-triggering language.

How useful would the Cross-Reference Identification and Typing feature be when working with regulatory requirements in a software project?

Requirements

Filter by FR/NFR Label

All labels

Filter by Clause ID (partial match)

Showing 449 of 449 requirements

	Req. ID	Clause ID	Requirement (preview)	FR/NFR	Use Case	Cross-References
☐	GDPR-42-3-R2	GDPR-42-3	The system shall provide a transparent process for obtaining certification.	FR+NFR	Yes	
☐	GDPR-42-6-R1	GDPR-42-6	The system shall provide the certification body referred to in Article 43, or where applicable,...	FR	Yes	Article 43 [NEUTRAL]
☐	GDPR-42-7-R1	GDPR-42-7	The system shall issue certification to a controller or processor for a maximum period of three...	FR	Yes	Article 43 [NEUTRAL]
☐	GDPR-42-7-R2	GDPR-42-7	The system shall allow certification to be renewed under the same conditions if the relevant re...	FR	Yes	Article 43 [NEUTRAL]
☐	GDPR-42-7-R3	GDPR-42-7	The system shall withdraw certification if the requirements for certification are not or are no...	FR	Yes	Article 43 [NEUTRAL]
☐	GDPR-42-8-R1	GDPR-42-8	The system shall record all certification mechanisms and data protection seals and marks in a r...	FR	Yes	
☐	GDPR-42-8-R2	GDPR-42-8	The system shall make the register of certification mechanisms and data protection seals and ma...	FR	Yes	
☐	GDPR-43-2-R1	GDPR-43-2	The system shall record evidence that certification bodies have demonstrated their independence.	FR+NFR	Yes	Article 42[5] [NEUTRAL] Article 55 [NEUTRAL] Article 56 [NEUTRAL] Article 63 [NEUT]
☐	GDPR-43-2-R2	GDPR-43-2	The system shall record that certification bodies have undertaken to respect the criteria refer...	FR	Yes	Article 42[5] [NEUTRAL] Article 55 [NEUTRAL] Article 56 [NEUTRAL] Article 63 [NEUT]
☐	GDPR-43-2-R3	GDPR-43-2	The system shall support the establishment and documentation of procedures for the issuing, per...	FR	Yes	Article 42[5] [NEUTRAL] Article 55 [NEUTRAL] Article 56 [NEUTRAL] Article 63 [NEUT]
☐	GDPR-43-2-R4	GDPR-43-2	The system shall support the establishment and documentation of procedures and structures for h...	FR+NFR	Yes	Article 42[5] [NEUTRAL] Article 55 [NEUTRAL] Article 56 [NEUTRAL] Article 63 [NEUT]

Mark only one oval.

12345

Not ☐ ☐ ☐ ☐ ☐ Very Useful

44. **Would you use this feature when working with regulatory requirements in a software project?**

★

Mark only one oval.

☐ Yes

☐ No

☐ Maybe

45. Feature 4: Definition Indexing

Reg2Req extracts and indexes all defined legal terms referenced in the derived requirements and links each term to its definition within the regulation. This allows engineers to look up the meaning of legal terms without reading the full regulation. How useful would the Definition Indexing feature be when working with regulatory requirements in a software project?

Source clause GDPR-1-3

The free movement of personal data within the Union shall be neither restricted nor prohibited for reasons connected with the protection of natural persons with regard to the processing of personal data.

▼ Defined terms in this clause (2)

personal data

any information relating to an identified or identifiable natural person ('data subject')

processing

any operation or set of operations which is performed on personal data or on sets of personal data, whether or not by automated means, such as collection, recording, organisation, structuring, storage, adaptation or alteration, retrieval, consultation, use, disclosure by transmission, dissemination or otherwise making available, alignment or combination, restriction, erasure or destruction

Mark only one oval.

1 2 3 4 5

Not ☐ ☐ ☐ ☐ ☐ Very Useful

46. Would you use this feature when working with regulatory requirements in a software project? *

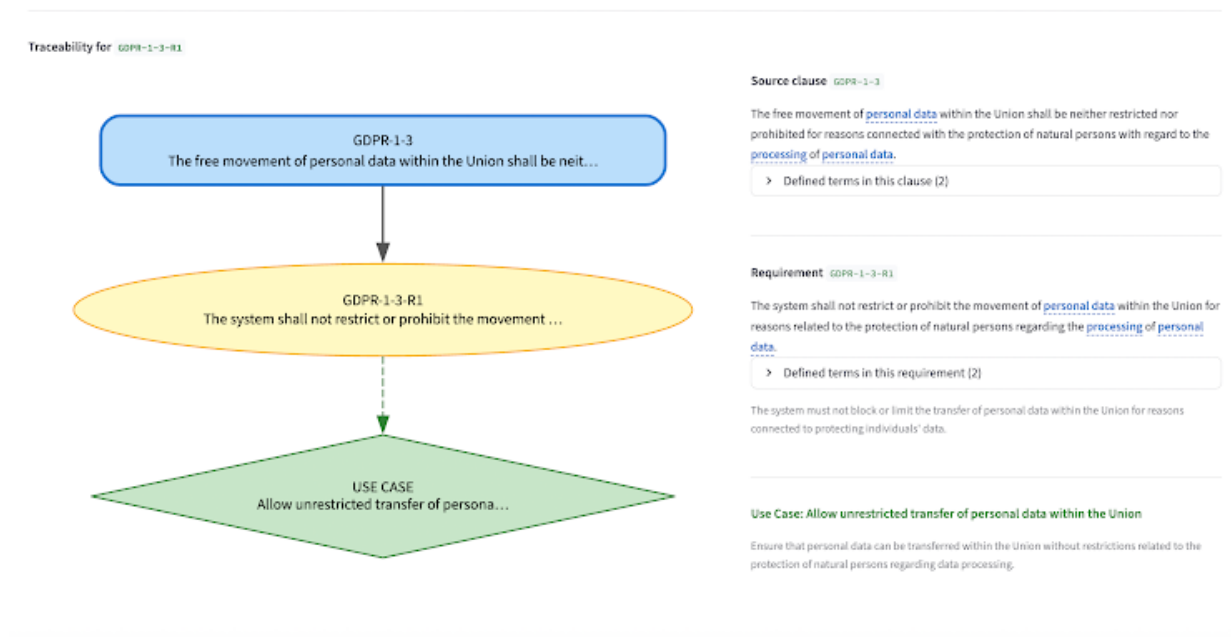
Mark only one oval.

- ☐ Yes
- ☐ No
- ☐ Maybe

47. Feature 5: Traceability Matrix *

Reg2Req generates a traceability matrix linking each derived requirement to its source clause, its FR/NFR classification, its cross-references, and its plain-language explanation. This supports compliance auditing and impact analysis.

How useful would the Traceability Matrix feature be when working with regulatory requirements in a software project?



Mark only one oval.

1 2 3 4 5

Not ☐ ☐ ☐ ☐ ☐ Very Useful

48. Would you use this feature when working with regulatory requirements in a software project? *

Mark only one oval.

- ☐ Yes
- ☐ No
- ☐ Maybe

Overall Assessment

49. Would you use Reg2Req as a starting point for extracting software requirements from a new regulation in your organisation? *

Mark only one oval.

- ☐ Yes
- ☐ No
- ☐ Maybe

50. What is the single most useful improvement that would make Reg2Req more suitable for your work?

51. Any other comments or feedback?

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