**Description**

In this job, you will be presented with text from user reviews from mobile app stores such as the Google Play Store or the Apple App Store. User reviews can hold important information for developers: feedback from users is important for the evolution and improvement of their application. Before developers gain access to the valuable information that user reviews offer, they require some pre-processing.

The goal of this job is to **filter out the spam and to remove useless reviews.** This entails classifying individual reviews as either **helpful** or **useless**, based on the guidelines below.

**Steps**

1. Read each user review carefully.
2. Determine whether the review could be of any help to a developer based on the guidelines and examples listed below.
3. Mark the reviews as **helpful** or **useless**.

Continue to the next review and repeat steps 1-3.

**Guidelines**

For each of the presented user reviews, carefully consider whether they can be helpful for developers or not.

* **Useless reviews:**
  + Contain spam or other unrequested or unwanted messages.
  + Their content does not relate to the app and its functions.
  + Express user feelings without elaborating how the app causes those feelings.
  + Don't appear to be written genuinely and contain jokes or absurd statements.
* **Helpful reviews:**
  + Specifically mention aspects of the apps, that is functions, features and behaviour of an app.
  + Report bugs and performance issues that the user encountered.
  + Request potential functions to be added or changes to be made.
  + Provide feedback on recent changes and updates.
  + Present constructive criticism and/or opinions from users included with specific causes or possible solutions.

**Examples**

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| **Useless Reviews**   * "*WRSET APP OF THE CENTUREY*" * "*I Really Like This!*" * "*Amazing That is all you need to know."* * "*My kids love it. Thanks*" * "I have been using this app for international calling. It saves me a lot money. Great app..." * "*This is by far the worst app ever. I hate it so much."* |
| **Helpful Reviews**   * *"Newest version crashes when opening"* * *"Both the texting and calling functionalities are easy to use."* * *"Buggy and unreliable. Does not work often. Signs me out regularly. Won't download movies onto my iPad. Disappointing."* * *"Ok, but design could be better, too dark"* * *"Fun but so data hungry. Why does it need so much data???"* * *"I just wish I could turn off the emojis because I don't like them at all."* * *"Good app but it is slow and lags sometimes."* |