

1) An overview of the function of the code (i.e., what it does and what it can be used for).

The function of this extension is to provide users with quick access to relevant questions that they might see when browsing a forum like Reddit or stack overflow. The tool finds all questions posed on the page and finds the most relevant questions to the document along with bolstering the query with the information from the page. These questions will be answered in links that will be available to the user when they click on the extension button on the toolbar of Google Chrome.

2) Documentation of how the software is implemented with sufficient detail so that others can have a basic understanding of your code for future extension or any further improvement.

The extension uses a javascript file to parse through all the text in a webpage. Using that, the software finds all questions posed on the page. From there, the extension removes all stop words from the questions and uses Google's suggestqueries API in order to find suggestions based on the filtered queries. From this, for each suggested query, the tool will see if the words present in the suggested queries match up with the text present in the rest of the document. If it does, the tool will use Google's custom search API in order to return the best link, along with a title and description for it to display in the extension's pop-up for the user to go to. This information will be sent to the browser pop-up window for the extension and when the user clicks the extension button they will see all the information in a scrollable list.

3) Documentation of the usage of the software including either documentation of usages of APIs or detailed instructions on how to install and run a software, whichever is applicable.

To use the software, you will need to go to the Chrome Extensions page and turn on developer mode in the top left corner. Then, you click load package on the top left corner and upload the Inquiry folder to load it in as an extension. From there you may need to enable the extension. You will also need to download the "Allow CORS: Access-Control-Allow-Origin" extension as it is necessary for the tool to run. From there, all you need to do is open a forum like Reddit and click the extension button. Currently, the code only shows the results in the console as I was not able to pass the results into the pop-up browser. Google recently turned off support for inline scripts in

the HTML of extensions and I could not find another way to pass the information. The two API's used are the suggestqueries and custom search API, both by Google.

4) Brief description of contribution of each team member in case of a multi-person team.

I was the only contributor to this project.