Project Progress Report, CS 410

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1 The progress made

1. Created the Q&A database by preprocessing Q&As from Stack Overflow that relate to text information system.

2. Implemented a Google Chrome extension that retrieves the three most related Q&As when browsing the content on Stack Overflow.

3. Wrote documentation for the final submission.

2 Remaining Tasks

1. Provide a Docker image if needed, asking on Campuswire.

2. Create a 5-min tutorial presentation.

    1. how to install the software

    2. instructions on how to use the software

    3. at least one example of use case so as to allow a grader to use the provided use case to test the software

3 Challenges/Issues being faced

1. If we provide a stable environment to run the API server for graders, we will have to provide a Docker image, but we have not defined how to implement it yet.

In addition, we will show the issues we faced but overcame since we have already finished the implementation without the Docker image.

1. We had to implement a API server to provide the related Q&A articles since JavaScript could not directly execute Python codes.

2. We had to implement the extension to open a new tab for users to access three links to related Q&A articles because the Chrome extension has several limitations to improve user experience; the popup disappears after one click and we are not allowed to open multiple windows. Therefore, we have to open another page (i.e., `questions.html`) that displays the three links to related Q&A articles instead of showing them directly on the popup on `index.html`.