CS 411 Project Assignment — User Story Estimation

• ***User Story:***

The user would be able to input text and receive 10 questions based on the text. When a user accesses the application, they would be greeted with a text box where they can input text that they want a quiz for. They would then click the submit button below that. The user would then receive a page with the text shown again and 10 questions based on the text below that. If the user inputs no text then no questions will be generated. The program would then notify the user that there was no input. If the user inputs incomprehensible text they will be notified by the application that their input was incomprehensible to our language model.

• ***Work Breakdown:***

1. Create a page to display the greeting message — 5 hr
2. Create a text box to wait for the user input — 0.5 hr
3. Implement the functionality that allows the user to submit their text — 1 hr
4. Identify the central text to be analyzed from the user's input if necessary — 0.5 hr
5. Create database to store all the text the user has submitted, in case of future reference — 3 hr
6. Prepare the text to be sent to OpenAI's API — 0.5 hr
7. Communicate with OpenAI's api to analyze the text — 2 hr
8. Handle possible error messages returned from the api — 3 hr
9. Create proper feedback and notify the user what the particular error is — 1 hr
10. Support the functionality that allows the user to make any possible correction to their input — 1 hr
11. Create a page to display the 10 questions generated along with the original text — 0.5 hr
12. Wait and respond to further user interactions — 1 hr