CMSC451 - CS22-306 BugAimBot Project Proposal

Problem Statement

1. Find a way to integrate the debugging tool Locus into GitHub. This debugging tool will allow developers to locate bug inducing commits by providing the git repository. The goal is to connect the tool directly into GitHub via GitHub Actions to allow ease of use and better connectivity. The Locus tool will need to be exposed as an API and will be deployed on the cloud.

Business and Functional Requirements

- 1. Locus is coded in Java using Eclipse so in order to work on and run it, Java must be installed on the local machine along with an IDE or code editor, more preferably Eclipse.
- In order to work on Locus the original repository can be found and cloned from the following: https://github.com/VCU-CS-Capstone/CS-22-306-A-Tool-to-Help-Developers-Locate-Bug-Inducing-Commits/issues/4
- 3. For Locus to run, there are datasets and required files that must be downloaded to the local machine that can be found here: http://home.cse.ust.hk/~mwenaa/Locus.html
- For Locus to run, a configuration file must be provided to the application.
 Directions on how to set up the configuration file are listed here:
 https://github.com/VCU-CS-Capstone/CS-22-306-A-Tool-to-Help-Developers-Locate-Bug-Inducing-Commits/issues/4
- 5. In order to achieve the goal of connecting Locus to GitHub, we may require a server to host Locus.

Stakeholders

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