Project Writeup Act 1

CSEC-380 Project Group 13

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**What is the URL of your Github project?**

https://github.com/clev98/CSEC380-Project

**How did you breakup your projects and what are the security ramifications?**

This project is broken up into three epics: web authentication, webpage content, and the addition of vulnerabilities. Do to this project containing sensitive authentication data, there will need to be a SQL database containing hashed+salted passwords and there will need to be authentication cookies. There will also have to be checks on the backend making sure a user has the proper permissions to perform a task.

**How did you choose to break down your Epics into various issues?**

The epics were broken down into frontend, backend, and database issues. On epics that required multiple frontends and backends, these were also split up into separate issues. For example, our authentication epic is split up into the frontend login page, the SQL database setup and the required table, and the backend connection between the SQL database and the frontend.

**How long did you assign each sprint to be?**

Each sprint is two weeks. With each person working on a separate sprint, we should be able to finish by the assigned due date.

**Did you deviate from the Agile methodology at all? If yes, what is your reasoning for this?**

No, we did not deviate from the Agile methodology.

**How do you ensure that after each issue/milestone that security has been verified? How would you identify such issues in an ideal environment?**

Our Github has enforced code review so another member of the group must review the code to ensure there are no issues. We will also test each batch of code to ensure there are no vulnerabilities present. In an ideal environment there would be lots of tests to ensure the secureness of code.