Milestone II

CPTS 422 SOFTWARE ENGINEERING PRINCIPLES II

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Milestone Report II

Team Member Roles

Austin and Jack led the process of configuration and unpacking of the Jest framework/documentation and accompanying initial unit tests, while Kathy and Sophie finished them off and verified all necessary areas of this milestone were completed. All members contributed to the creation of this document.

Testing Framework & Justification

We used the Jest framework for developing unit tests for our project. Our project is simple and small in scope, so Jest proved a solid choice of framework because it is simple, works out of the box, and requires little configuration.

Project Activities

Our team did not find much need to meet weekly for this milestone as we did during milestone 1. We felt confident about the requirements set during the first milestone and when needed, we conversed over instant messaging about expectations for what needed to be done and who was going to accomplish it. We use a dedicated group chat for this purpose. We met as a team a couple weeks ago to get started on the testing code and clarify expectations. We met yesterday to begin writing this document and finished it earlier today.

Date	*Notes*
Oct 20th	Begin testing code. Started learning Jest. Clarify expectations.
Oct 29th	Begin document. Discussed testing code.
Oct 30th	Merged code to master branch. Completed document. Finalized git pushes. Verified all tests working and all areas of document are complete.

Test Outcomes

The architecture of the project code necessitated moving the functions to a different scope. This allowed us to quickly develop unit tests. The Jest framework provided simple and easy to use functions for which we tested our application. We tested all nontrivial methods. We had a brief roadblock in figuring out how to import nontrivial functions which needed to be tested. By moving the functions to a different scope and utilizing strictly ES5 syntax for import and export, we were able to overcome this roadblock and perform the unit tests. No bugs were found in our code during the process of testing.