

## **Unit Testing Report For Milestone 2**

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For this milestone, we needed something similar to a spike at the moment to familiarise ourselves with Spring, Junit and Mockito. It would be the best time to have a spike as there aren't many functionalities planned to be done in this iteration. Hence, we have time to do research on said fields.

### **Unit Testing Details:**

#### **ProjectServiceImpl:**

Most of the testing here are done by mocks using Mockito, as there aren't really much to test yet. The tests all run as expected.

getProjects(): All mock projects are returned as expected. No errors should be expected here.

findById(): Properly raises an exception when an invalid project id is entered.

findByText(): All mock project search lists are returned as expected. No errors should be expected here.

#### **AllocationApplication:**

contextLoads() fails for some reason, but we have yet to find the reason. This shows that we still require some more time to familiarise ourselves with Spring before we can actually proceed.

#### **ProjectSearch:**

Unable to fully test this function at the moment.

### **Conclusion:**

Some of the search functionalities are not functional yet as there are some dependencies that do not work as expected. We will need time this Semester Break to read up and make sure everyone familiarises themselves with Spring and Java so that the next milestone/iteration can be expected to go smoothly.