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**MACROHARD**

Test Plan

Team 1

ERYK CYGIELSKI

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| --- | --- |
| Name | Role |
| Nermin Dedovic | Back-end coding, Front-end design, Database, and Project Management |
| Randy Ly | Front-end design |
| Andrea Bialkowski | Technical Writing/Documentation and Project Management |
| Eryk Cygielski | Front-end design |
| Jiten Patel | Front End Design |
| Rameez Anwar | Back-end coding and Database |
| Dimitri Vityk | Front End Design |

TEST PLAN

Backend testing – Nermin, Rameez, Dimitri

Frontend testing – Nermin, Randy

Overall testing – Nermin, Dimitri

TEST PHASES:

Testing database connections and ensuring updates/pulls/inserts requests were working

Then testing front end displaying of info

Test using user account

Test using faculty account

Test using administrator account

Test chatroom functionality

Test real-time chat functionality

Test project statistics

Test User statistics

Test review / badge insertion and update

Testing creation of projects / groups / tasks

Testing admin functionality

Testing submissions / updates / editing descriptions

TEST LOCATION:

Test on desktop browser

Test on smaller laptops / larger tablets – Test layout

Testing on different browsers – Chrome, Firefox, Safari, Internet Explorer

SCHEDULE:

Testing will begin the second week of October 26th with database connections

Continue testing until due date

TECHNOLOGIES:

Unit Testing – Mocha

Human UI Testing (with family members / friends)

TESTING RESULTS

Testing has been completed during the week of October 26th. Initially, the backend was tested separately from the front-end. Then an overall test of the application as a whole was completed. The testing included trials for review accuracy, badge updates, project/group/task creations, user/project statistics, and general task information such as approved/not approved, complete/not complete, overdue/on-time, etc. Family and friends were able to navigate the site with only a basic overview of what the site was.

TESTING DEVICES

This application has been tested on various devices which include browsers such as Google Chrome, Internet Explorer, and Safari. We tested our application on various different screen sizes, such as larger tablets, laptops, large laptops, regular monitors, and 4k monitors.

ADDITIONAL TESTING

Some additional testing that needs to be completed is the user friendliness of the program. Additional testing in the future could include efficiency and more scalability testing.