

CS673S16 Software Engineering

Team 1 - FriendZone

Tests Report

Your project Logo
here if any

<u>Team Member</u>	<u>Role(s)</u>	<u>Signature</u>	<u>Date</u>
Ed Orsini	Team Leader & Configuration Leader	<u>Ed Orsini</u>	<u>3/16/2017</u>
Cory Stone	QA Leader	<u>Cory Stone</u>	<u>3/16/2017</u>
Michael Eskowitz	Security Leader	<u>Michael Eskowitz</u>	<u>3/16/2017</u>
Robert Gomez	Environment and Integration Leader	<u>Robert Gomez</u>	<u>3/16/2017</u>
Arpita Vats	Requirement Leader	<u>Arpita Vats</u>	<u>3/16/2017</u>
Ravi K Rajendran	Design Leader	<u>Ravi K Rajendran</u>	<u>3/16/2017</u>
Nick Hattabaugh	Implementation Leader	<u>Nick Hattabaugh</u>	<u>3/16/2017</u>

Revision history

<u>Version</u>	<u>Author</u>	<u>Date</u>	<u>Change</u>
<u>1</u>	<u>Cory Stone</u>	<u>3/16/2017</u>	<u>Initial draft</u>
<u>2</u>	<u>Cory Stone</u>	<u>4/6/2017</u>	<u>Iteration 2</u>

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● Introduction

This document will track test results recorded at the end of each iteration. It will list number of passing/failing unit tests, system tests, and acceptance tests. It will also provide metrics on code coverage, defect detection/fix rate, and cost of testing. This document will be updated at the end of each iteration.

- Unit test: Tests the functionality of a single method in the front end code (AngularJS) or the back end code (Node.js)
- System test: Tests a high level requirement of the application from end-to-end after it has been deployed
- Acceptance test: Tests a high level requirement of the application that is deemed as necessary for any deployment. We are designating a subset of our system tests as acceptance tests.

● Test Summary

- Iteration 1
 - Unit Tests: 29/29 Passed
 - System Tests: 9/10 Passed, 1 defect opened
 - Acceptance Tests: 8/8 Passed
- Iteration 2
 - Unit Tests: 54/54 Passed
 - System Tests: 18/20 Passed, 1 existing defect, 1 defect opened
 - Acceptance Tests: 14/14 Passed

● Tests Reports

See the Test Plan document for detailed test information and results for each iteration.

● Testing Metrics

This section will list the testing metrics as recorded at the end of each iteration. See SPPP document for metric definitions.

Process Metrics

- Iteration 1
 - Size: 1059 LOC (781 JS, 278 HTML)
 - Defect density: 1 defect / 176.5 LOC (6/1059)
 - Code coverage: Not implemented for iteration 1
- Iteration 2
 - Size: 2150 LOC (1292 JS, 419 CSS, 394 HTML, 45 JSON)
 - Defect density: 1 defect / 716.6 LOC (3/2150)
 - Code coverage: Not implemented for iteration 2

Product Metrics

- Iteration 1
 - Story points: 9/12 completed
 - Defect detection rate: 6 defects
 - Defect fix rate: 4 defects
 - Cost: 11 man-hours testing vs 157.5 man-hours overall
- Iteration 2
 - Story points: 16/20 completed
 - Defect detection rate: 1 defect
 - Defect fix rate: 0 defects
 - Cost: 6 man-hours testing vs 122 man-hours overall

- References
- Glossary