

The Testing Process

A description of the major phases of the system testing process. This may be broken down into the testing of individual sub-systems, the testing of external system interfaces, etc.

- Web tests
 - Projects button functionality
 - Organizations button
- Database tests
 - Registered user
 - Assets
 - Volunteers
 - Warehouses
- Code tests
 - Geolocation feature
- System integration tests

Requirements traceability

- Requirement: Program can keep track of organizations. System: Organization database with web client access. Test cases: Unit testing for adding, deleting, updating organization database. System integration testing with web client and database.

Tested items

The products of the software process that are to be tested.

- Web Client
- Server
- Database

Testing schedule

An overall testing schedule and resource allocation.

September 29 - Deliverable #2

- Produce detailed test plan
- Test cases at least 5 out of 25 mapped out

October 22 - Deliverable #3

- Rework test plan if needed
- 10/25 test cases
- Build automated testing framework

November 12 - Deliverable #4

- 25 of 25 test cases using automatic framework

November 24 - Deliverable #5

- Design and inject 5 specific failures into code

December 1 - Final Report

Test recording procedures

Tests case results can be found on our private github

<https://github.com/CSCI-362-03-2015/Team6.git>

All results will be collated in /reports with results for each test as well as a summary for all test run thus far.

Hardware and software requirements

Software:

- Web2py
- MySQL/PostgreSQL
- Linux Ubuntu/Virtualbox
- Robot Framework/Selenium

Hardware:

- Server/Amazon EC2

Constraints

- Group size
- Time - Conflicting schedules

System tests

- Registered user - register user functionality
- Assets - the ability to add assets to the database
- Volunteers - ability to add volunteers to the database
- Warehouses - ability to add a warehouse to the database
- Geolocation feature - package functionality
- Projects button functionality - individual ui smoke test
- Organizations button - individual ui smoke test

