

System and Unit Test Template - CMPS 115 – Software Methodology

The System and Unit Test must contain the following elements:

- **Heading:** Document name ("System and Unit Test Report"), product name, team name, date.
- **System Test scenarios (25 points per sprint – total 75 points):** You have identified user stories (that map to user requirements/functionality for your system) completed for each sprint (in that sprint's report). You will be using scenario-based testing. Scenario-based testing focuses on how the user uses the system and allows for multiple user roles as well as multiple functions provided for each user role.

For each sprint, list the user story or stories and the scenario or scenarios that show 'coverage' of those user stories. A scenario is a list of system level actions (including precise input and output) a user would follow to determine that each user story has been completed.

Example:

- A. User story 1 from sprint 1: As a user I want to create an account so that I can use the toilet location system.
- B. User story 2 from sprint 1: As a registered user I want to view a map showing locations of all toilets in 5 mile radius of current location so that I can visually choose more information about toilets of interest.

Scenario:

1. start Toilet app; select 'new user'; type
 - name = <Linda Werner>
 - password = <LLWPass9>
 - password confirmation = <LLWPass9>
 - press Enter Key
 - user should see verification message that account is now active
2. select 'view toilets in 5 mile radius';
3. User should see map of 5 miles radius of current location with all toilets within the toilet database marked.

- **Unit tests (25 points):** Include a file/directory named 'Testing' in your Git Repository. There should be details (can be in a separate file in the directory) provided by each team member about the module and the functional testing they have done. Each team member picks a module or module and lists the equivalence classes and the test cases selected to cover all equivalence classes.

Last modified: 11/24/13