Deliverable #3 and #4
Junior Garcia
Lauren McMillen

<u>Test Plan</u>

Scope: We will test each of our 5 use cases: specifically, the general and alternate usage scenarios for each one. The scenarios which we chose represent errors which a common user may encounter, such as ensuring forms do not submit with invalid input and that user information is saved to the correct profile. At this stage of testing we did not test higher security and verification risks. For example, one major error that we could not test is that users can sign up with an email which other users have registered with, and this email is not verified through account confirmation. The main reason for this is that, for this prototype, we did not develop a thoroughly secure back-end, as this would be the next increment in our Incremental Work Process.

Approach: We employ Test Case documentation to implement the Test Plan. Thus, a tester will be given instructions and data with which to implement a specific scenario of a use case. The expected result is defined before the test. The actual result is described after the test.

Objectives: Identify any and all bugs which prevent a Use Case from being implemented or implemented in a smooth and coherent manner. Identify the root cause of such bugs and resolve them. Document the bugs and their resolution in the Test Results document below.

Resources: The website is implemented using Django on a local server. The tester will test the cases on this local server.

Schedule of software testing effort: The testing will take place during one day.

Use cases to be tested:
1) Register User
2) Log-in User
3) Form Team
4) Submit Web Task
5) Publish Profile

Who will carry out the testing: Lauren McMillen

Who will take the test: Junior Garcia

What will be the pass/fail criteria: If the use case accomplished its central function (e.g. Log-in user), the test will be listed as Pass. If the use case did not accomplish its central function, the test will be listed as Fail. However, if the use case accomplished its central function, but there were additional unexpected behaviors of the code, the test will still be listed as Pass, and the bugs will be briefly listed in the Notes section and fully described in the Test Results document below.

Testing Schedule: The use cases will be tested from numbers 1 to 5, generally from simply to most complex.

Test Results

Most of these errors are referenced in the Notes section of the Test Case Documents. All but the last errors still allowed the test to pass because the main function was accomplished, which is why they are included in Notes, not in the Actual Result.

Login

A1) After entering an incorrect username and password, the system informs the user that it is invalid, but includes «class="mb-0" before the rest of the statement - Please enter a correct username and password. Note that both fields may be case-sensitive.

Resolution: Problem was due to a typo in the html code "login.html".

Form Teams

1. While creating a team successfully redirects to the TeamMap, the profile picture of the Team is displayed as the SmallWorld logo image, not as the team's uploaded logo.

Resolution: Changed the image element of the detail.html file to reference {{team.team_logo.url}} instead of smallworld.png.

2. While attempting to join TestCaseTeam, while the "Join Now" button is active, there is also static text below which says "no joining", which would obviously be confusing to the user. This should only be displayed if the student has already joined a team.

Resolution: Found error in detail.html of the TeamMap app. The No Joining appeared at the wrong nested if loop. I changed "endif" to "else".

Submit Web Tasks

1. After logging in, the student was redirected to the correct meeting portal page, but the link "Start your next meeting" did not link to another url and was therefore superfluous.

Resolution: Delete link on meetings/index.html.

Publish Profile

A2.1) If a mentor input the final field "solution_results", the profile would be published with whichever fields were input, whether 1-5 fields.

Resolution: The profile was published because there was only one if statement - if the 5th field was true. I added 4 additional if statements verifying the existence over the other 4 fields of the profile.

A2.2) Only authenticated users can view the TeamMap. However, a key trait of the Use Case is that non-authenticated users, such as the friends or family of students, can view the Team Profile.

Resolution: First, I simply included a link to the TeamMap on the public view. However, the TeamMap did not appear, despite that the link was correct. The reason turned out to be that the TeamMap index.html was only available to authenticated users. I made it available to authenticated users to finally resolve the error.