**User Story #:** 1

**Status**: Completed

**Title**: Add Requirement

**Description**:

As a member of the project, I want to be able to add a requirement to the project management tool so that I can track progress being made on the development of the program

**Tasks**:

Add API functionality of the Backend server to be able to add a requirement that is associated with a specific project (8 hrs)

Add GUI elements while in the project management view for adding a requirement, such as a “+” sign for add or something similar (5 hrs)

Develop GUI for the requirement to be added to the project that will be shown when the "+" sign is pressed (8hrs)

Add controller code to support the GUI to be able to send POST requests to the backend server via the API (8 hrs)

**Acceptance Tests**:

-Given that I am a member of the project when I try to add a requirement to the project, the application will then show the screen to enter in all the information necessary for the requirement  
-Given that I am a member of the project, when I have entered all the information for the requirement and add it, then the new requirement will show up in the project management view.

**User Story #**: 2

**Status**: Completed

**Title**: Log-in Screen

**Description**:

As a user, I want to be able to log-in to my account to view my projects.

**Tasks**:

Set-up application client so that it is able to communicate with the backend server. (10 person hours)

Set-up log-in/authentication criteria. (5 person hours)

Create the log-in screen interface layout. (5 person hours)

Set-up the functions associated with the log-in screen. (5 person hours)

Create unit test to make sure log-in screen works. (5 person hours)

**Acceptance Tests**:

-Given the log-in button, when I input the correct name and password, then I should be brought to the main menu screen where I can view all my current projects.  
-Given the log-in button, when I input the incorrect name or password, then I should be prompted that I had entered an invalid username and/or password.

**User Story #:** 3

**Status:** Completed

**Title:** Home Screen

**Description:**

As a designer, i want user to be prompt with selection screen to login if they have an existing account or sign up for a new account on the app.

**Tasks:**

**Acceptance Tests:**

**User Story #:** 4

**Status:** Completed

**Title:** Login Authentication

**Description:**

As a developer, I want to authenticate an existing user by making a HTTP Post API call to the existing Python API

**Tasks:**

Verify that the Username and Password are actual strings (1 hr)

Develop class to handle API communication (4 hrs)

Add functionality to post username and password to the python Rest api (4 hrs)

**Acceptance Tests:**

Given a username and password, an authentication request should be sent to the existing python api, then only that server should verify the user.  
Given a username and password, i want to verify that they are not empty strings, so that the application does not try to authenticate null values.

**User Story #:** 5

**Status:** In-progress

**Title:** Modify Requirements

**Description:**

As a requester or owner of a requirement, I want to be able to modify a requirement to the project management tool so that I can change a requirement that either needs refinement.

**Tasks:**

A requirement can be clicked on or and have some sort of expandable GUI interface to be able to view details of a requirement (10 hrs)

When looking at a detailed view of a requirement, if the currently logged on user is the owner or requester, an edit button should be available to in the GUI (3 hrs)

When editing a requirement there should be a save changes button (3 hrs)

Controller code to support the save changes button to send the request to the server (5 hrs)

Update the history of the requirement in the database. Once the modify requirement request is received by the server the server will add an entry for the history of the requirement. (8 hrs)

**Acceptance Tests:**

Given that I am the owner of the selected requirement, when I select my requirement and the detailed view is shown there is then an edit button that shows up on the GUI  
Given that I am not the owner of a selected requirement, when I select a requirement and the detailed view is shown there is not an edit button that shows up on the GUI

**User Story #:** 6

**Status:** Icebox

**Title:** Log-Out Button

**Description:**

As a user of this mobile app, I want to be able to log out of my account on any page so that I do not have to figure out which page I need to go to terminate my session.

**Tasks:**

Create a “Log Out” button in the title bar on every page. (0.5 person hour)

Implement the logics of deleting each user’s session as he or she logs out.(3person hours)

**Acceptance Tests:**

Given I had logged into my account, when I click the “Log Out” button, then I will be redirected to the home page of the application.

Given I had logged into my account, when I am on any page of any of the main services of the app, I will also find a “Log Out” button in the title bar.

**User Story #:** 7

**Status:** In-Progress

**Title:** Sign-up screen

**Description:**

As a user, I want to be able to sign up for an account so that I can access the mobile application.

**Tasks:**

Set-up a backend to store all the information. (15 person hours)

Create the sign-up screen user interface layout. (5 person hours)

Set-up the functions associated with sign-up screen. (5 person hours)

Set-up validation tests to ensure that inputs are valid. (5 person hours)

Create unit test to make sure signing up for an account works. (5 person hours)

**Acceptance Tests:**

Given the sign-up button, when I press the button, then I should be prompted to complete a form to create an account.  
Given that I left the user name section blank, when I press the create account button, then I should be given an error message saying that I entered an invalid user name.

**User Story #:** 8

**Status:** Icebox

**Title:** LogIn(BackEnd)

**Description:**

As a developer i want to verify right text and numerical restrictions are inserted in this process of authentication from user. this will entail verify username has right required security proceedings and no double duplications

**Tasks:**

**Acceptance Tests:**

**User Story #: 9**

**Status:** in-progress

**Title:** Sign Up Authentication

**Description:**

As a developer, i want to verify and add a new user to the existing database by communicating with the python Rest API

**Tasks:**

Verify that the username and password are actual strings (1 hr)

Validate the format of the password and ensure that it conforms to our chosen security standard (1hr)

Post the username and password to the Python rest api to be inserted into the database (4 hrs)

Receive java web token given correct credentials

**Acceptance Tests:**

Given a password, i want to ensure that the password is not too short, so that security is enforced in the application

Given a unique username and password, the newly created user must now exist in the application's list of users.

**User Story #:** 10

**Status:**  Icebox

**Title:** Test Requirement

**Description:**

As a member of the project, I want to be able to add a test to a selected requirement to the project management tool so that I can add test cases to a requirement to ensure a quality project and remind developers of edge cases that require testing

**Tasks:**

The ability to add test cases should only be allowed if the requirement is out of the icebox and currently being worked on. (5 hrs)

When a requirement is selected, the user should have a GUI button to add a test case (3 hrs)

Develop a test case view to gather information about the test case (6 hrs)

Develop controller code to do a POST request to the server (6 hrs)

Add API capability to add test cases and associate them with a project requirement (8 hrs)

**Acceptance Tests:**

Given that I am a member of the project, when I select a requirement that is currently being worked on then I am given a GUI option to add a test requirement

Given that I filled out the required information for a new test case, when I select add/submit then the test case GUI disappears and a new test case is shown associated to the requirement

**User Story #:** 11

**Status:** Backlog

**Title:** Role Assignments

**Description:**

As a project leader, I want to be able to assign different members to my projects so I can monitor them.

**Tasks:**

Create different user groups with varying degrees of access (I.E. - project leader will have access to delete projects). (5 person hours)

Create an add user to project user interface layout. (3 person hours)

Set-up the add user functionality to store information to backend server. (10 person hours)

Create unit test to make sure different user groups have different levels of access. (5 person hours)

**Acceptance Tests:**

Given that the user is a project leader, when I view my projects, then I should have the option to delete the projects that I am in.

Given that the user is a customer, when I view the projects I am in, then I should not have the option to delete the projects that I am in.

**User Story #:** 12

**Status:** Icebox

**Title:** Forgotten Password Retrieval

**Description:**

As a user of this mobile app, I want to be able to retrieve my forgotten password so that I can still log into my account without applying for a new account.

**Tasks:**

Create a button on the user-login page for the users who forgot their exact passwords. (0.5 person hour)

Create a new page where users will be prompted to enter the answer to their security question. (1 person hour)

The application will display a message saying that an email is sent to the users’ email box with their temporary password with which they can log in. (6 person hour)

The application will send an email to the users’ email box with their temporary password with which they can log in. (6 person hour)

**Acceptance Tests:**

Given I forget my password, when I click the “Forget Password” button, then there should be a new page displayed.

Given I am redirected to the “Forget Password” page, when I am prompted to answer the security question and answer the question correctly, then I will receive an email with my temporary password to log in or prompted again for the security question.

**User Story #:** 13

**Status:** Icebox

**Title:** Service-Switching UI

**Description:**

As a user of this mobile app, I want to be able to switch from one out of the three main services provided by this app to another function so that we do not have to go back to the home page to select another service we want to use.

**Tasks:**

Create a button at the header bar of every page in the mobile app (2 person hours)

List all the 3 main services of this app in the dropdown menu of this service-switching button. (0.5 person hour)

Linking each button to its corresponding service page. (1 person hour)

**Acceptance Tests:**

Given I am in any page of any of the three main services, when I clicked the button corresponding to a service in the dropdown menu of the service-switching button, then I will be redirected to the first page of the requested service.

Given I am in any page of any of the 3 main services, when the title bar of the page is displayed, then there should always be a service-switching button.

**User Story #:** 14

**Status:** Icebox

**Title:** Iteration design

**Description:**

As a designer creating Editing and saving capabilities to app. User can edit date and time and also add any features

**Tasks:**

**Acceptance Tests:**

**User Story #:**

**Status:**

**Title:**

**Description:**

**Tasks:**

**Acceptance Tests:**