**CSE 115A – SharedSpoons**

**Test Plan and Report**Successful in production environment = ✅  
Unsuccessful in production environment = ❌

Sprint 1 Test Plan

1. As a user, I would like to be able to sign up and log in to an account so that I have a place to store my information.
   1. Scenario: Create Account (Pass/Fail) - ✅  
      Open freshly downloaded app  
      Be routed to login page, select ‘Sign Up’ at the bottom  
      Be routed to signup page  
      Enter information:  
       firstname=’New’  
       lastname=’User’  
       email=’[newuser@example.com](mailto:newuser@example.com)’  
       username=’newuser’  
       location=’Santa Cruz, CA’  
       password=’newpassword123’  
       phoneNumber=’(111) 111-1111’  
      Press signup  
      User should see verification that they have signed up  
      Be routed to home page
   2. Scenario: Login to Account (Pass/Fail)  
      Open app  
      Be routed to login page before entering home page  
      Enter login information:  
       username=’newuser’  
       password=’newpassword123’  
      Press login  
      User should be routed to their home page if login was successful

Sprint 2 Test Plan

1. As a user, I would like to see my profile page so that I can view my past posts and interactions
   1. Scenario: Existing user navigates to profile page (Pass/Fail) - ✅  
      Open app  
      Be routed to login page  
      Enter login information:  
       username=’newuser’  
       password=’newpassword123’  
      Press login  
      User should be routed to their home page if login was successful  
      Navigate to profile page, bottom right icon on app  
      Profile page should display all previous posts, follower count, following count, post count, and achievement badge based on number of posts.  
      Pass if all intended components are displayed and values are correct
2. As a user, I would like to be able to make a post to show my friends what I am eating
   1. Scenario: Existing user makes a new post (Pass/Fail) - ✅  
      Open app  
      Be routed to login page  
      Enter login information:  
       username=’newuser’  
       password=’newpassword123’  
      Press login  
      User should be routed to their home page if login was successful  
      Press Post button, middle bottom of screen  
      Be routed to ‘Make a post’ screen  
      Select intended photo from camera roll  
      Type in dish name  
      Click continue  
      Be routed to second part of ‘Make a post’ screen  
      Enter rating, restaurant, and caption  
      Click ‘post’  
      User should see verification message stating post was successful
3. As a user, I would like to follow and unfollow accounts so that I can make a network of friends
   1. Scenario: Existing user follows a new user and then unfollows that user (Pass/Fail) - ✅  
      Open app  
      Be routed to login page  
      Enter login information:  
       username=’newuser’  
       password=’newpassword123’  
      Press login  
      User should be routed to their home page if login was successful  
      Go to explore page and search username ‘kshawhan’  
      Click on resulting profile, be routed to their profile page  
      Click ‘follow’ plus sign right next to user’s profile picture  
      Navigate back to your profile page using bottom right profile page button  
      Click on ‘Following’ button on user’s profile, be navigated to list of users  
      Ensure that ‘kshawhan’ appears on the list of users  
      Navigate back to ‘kshawhan’ profile by clicking on profile   
      Ensure the button next to the profile picture has become ‘unfollow’  
      Click ‘unfollow’  
      Navigate back to user’s profile  
      Click on ‘Following’ button  
      Ensure that ‘kshawhan’ no longer appears in list of users

Sprint 3 Test Plan

1. As a user, I would like to be able to alter my own account information
   1. Scenario: Existing user alters their own user info (Pass/Fail) - ✅  
      Open app  
      Be routed to login page  
      Enter login information:  
       username=’newuser’  
       password=’newpassword123’  
      Press login  
      User should be routed to their home page if login was successful  
      Navigate to profile page, button at bottom right of screen  
      Be routed to profile page  
      Click on the cog icon near the middle of the screen  
      Verify prefilled information matches existing user data  
      Change data to  
       username=’newuser1’  
       firstname=’Luca’  
       lastname=’Schram’  
      Click save  
      Navigate back to home page  
      Click ‘logout’ at top right of screen  
      Log back in with new username and existing password  
       username=’newuser1’  
       password=’newpassword123’  
      Press login  
      User should be routed to their home page if login was successful  
      Navigate to profile page, button at bottom right of screen  
      Be routed to profile page  
      Ensure that profile page information matches updated firstname and lastname
2. As a user, I would like to have a usable to-eat list on the application
   1. Scenario: Navigate to an existing user’s to-eat page (Pass/Fail) - ✅  
      Open app  
      Be routed to login page  
      Enter login information:  
       username=’newuser’  
       password=’newpassword123’  
      Press login  
      User should be routed to their home page if login was successful  
      Navigate to to-eat page, 2nd icon from right on bottom of screen  
      Routed to to-eat page  
      Verify that the page renders without errors, though it will not contain any posts.
3. As a user, I would like to be able to add other people’s foods to my to-eat list
   1. Scenario: Save an existing user’s post to another user’s to-eat list (Pass/Fail) - ✅  
      Open app  
      Be routed to login page  
      Enter login information:  
       username=’newuser’  
       password=’newpassword123’  
      Press login  
      User should be routed to their home page if login was successful  
      Navigate to explore page, search for username ‘kshawhan’  
      Click on ‘kshawhan’ result in profile results  
      Routed to ‘kshawhan’ profile page  
      Click on first post in ‘kshawhan’ profile page  
      Be routed to post screen for that post  
      Click on ‘save’ bookmark icon at bottom right under the picture  
      The button should highlight yellow to indicate it has been saved to to-eat  
      Navigate to to-eat page from navigation bar, 2nd icon from the right  
      Routed to ‘newuser’ to-eat page  
      Verify that ‘kshawhan’ food post has been added to ‘newuser’ to-eat page
4. As a user, I would like to explore other unfollowed people’s posts in the explore tab
   1. Scenario: Existing user navigates to explore page (Pass/Fail) - ✅  
      Open app  
      Be routed to login page  
      Enter login information:  
       username=’newuser’  
       password=’newpassword123’  
      Press login  
      User should be routed to their home page if login was successful  
      Navigate to explore page, 2nd icon from left on bottom of screen  
      Routed to explore page  
      Explore page should contain:  
      Randomized posts from other users that are not currently followed by the given user  
      A search bar at the top that can be used to search usernames and names

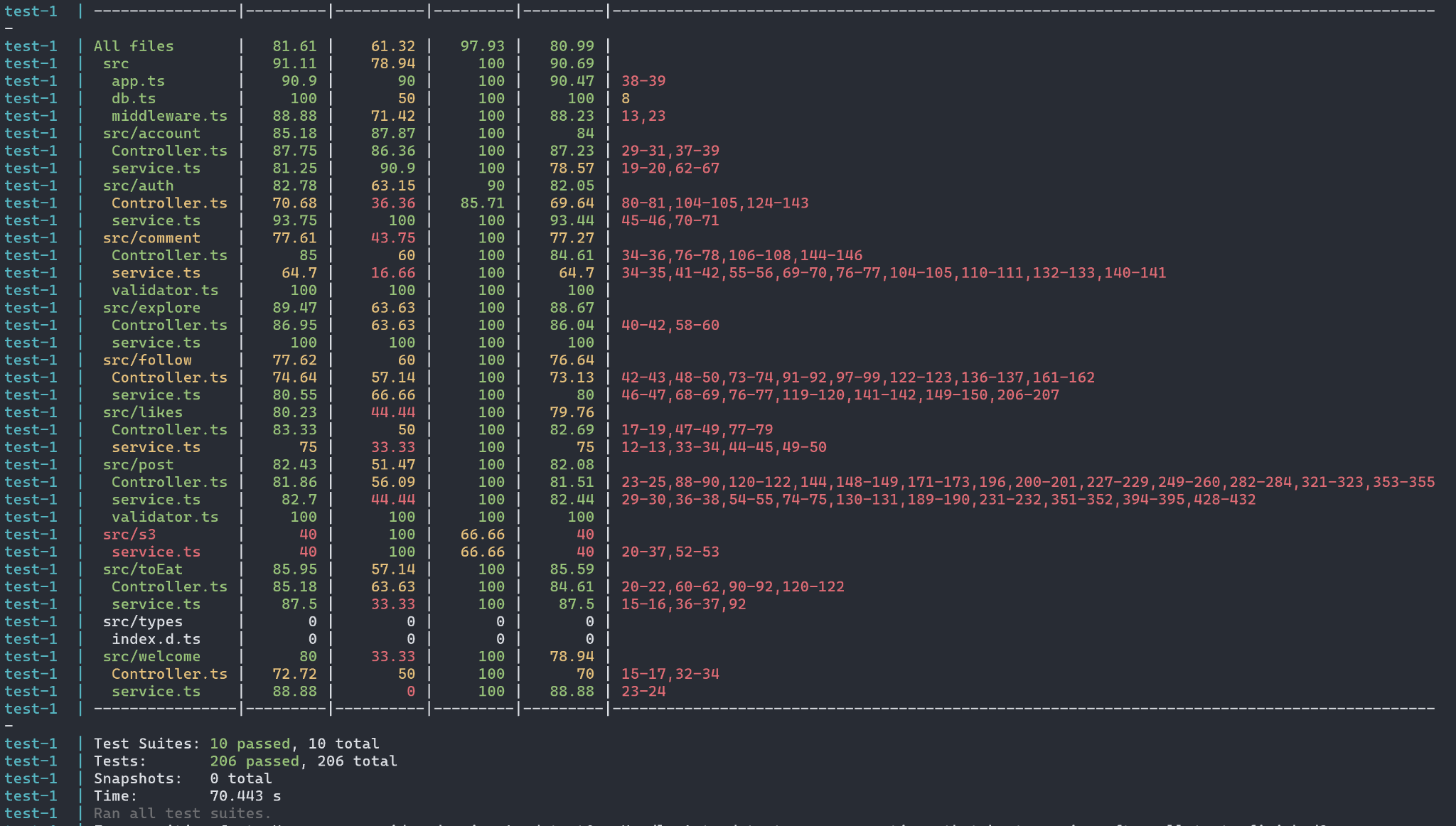
Sprint 4 Test Plan

1. As a user I would like to be able have a welcome page to set my initial preferences
   1. Scenario: New user downloads app, signs up, and is given welcome page (Pass/Fail) - ✅  
      Open freshly downloaded app  
      Be routed to login page  
      Click ‘signup’ button at bottom  
      Be routed to signup page  
      Enter information:  
       firstname=’New’  
       lastname=’User’  
       email=’[newuser@example.com](mailto:newuser@example.com)’  
       username=’newuser’  
       location=’Santa Cruz, CA’  
       password=’newpassword123’  
       phoneNumber=’(111) 111-1111’  
      Press signup  
      Be routed to ‘Welcome’ page that asks you to enter list of foods you prefer  
      Enter information  
       ‘Sushi’, ‘Tacos’, ‘Katsu’, ‘Sourdough’, ‘Pastries’  
      Click continue  
      User should receive verification that they signed up  
      Be routed to home page

**Unit Testing**

We have developed 206 Unit Tests that run automatically on a GitHub environment whenever a commit is received in the GitHub repository VIA GitHub actions, and can also be run on local machines using a special docker command mentioned both in the GitHub wiki and shown below while in the SharedSpoons directory:  
  
docker-compose --profile test up --build test

Below are the most up to date results of our Jest tests



The majority of uncovered lines are a result of difficult test conditions. Many of the error checks in some of our services were troublesome to get coverage on as they required the mocking of several specific functions. Additionally, there are likely a number of dead code branches that are unreachable within our services, but we did not have time to go through and check for these code branches while trying to complete our MVP.