

CSE 115A – Introduction to Software Engineering

Test Plan and Report

SkillSwapper

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- **System Test scenarios:** Provide a list of system test scenarios. Ideally, the scenarios should relate to specific user stories and associated acceptance criteria.

- **User Stories:**

1. As a user, I can login or sign up on the website.

Scenario 1A: Sign up (pass)

- I. Start Skillswapper App. Select ‘Sign up’. Should see sign up page. Type:
Email = <sammyslug@ucsc.edu>
Password = <goslugs123>
First & last name = <sammy slug>
Zip code = <94000>
Press ‘Sign up’ button

Scenario 1B: Login (pass)

- I. Should see Login page. Type:
Email = <sammyslug@ucsc.edu>
Password = <goslugs123>
Press ‘Log in’ button
- II. Should see home page with feed of posts in the middle and category sorting on the left side bar.

2. As a user, I can view postings on my feed.

Scenario 2: View post (pass)

- I. Login with account from Scenario 1B. On homepage with post feed, click post from user “Rawr Xd” on 11/26/24.
- II. Should open enlarged page with more information about post, including:
Services Seeking: garden
Services Offering: fixing laptops
feel free to comment and dm!
- III. Should also see 1 comment from “flu shot”

3. As a user, I can filter posts under a certain category.

Scenario 3: Category filter (pass)

- I. Login with account from 1B. On homepage with post feed, click ‘Sports’ (the basketball icon) on the side panel of category selector.
- II. Post feed should list 3 posts

4. As a user, I can create a post.

Scenario 4: Create post (pass)

- I. On homepage, click “Make a post” button. Type
Services Seeking: build ikea cart
Services Offering: baking a dessert
Select categories... = <Handywork> (the screw icon)
Enter more info... = <Please dm if interested!>
Click “Post” button.
- II. Should bring you back to home page. Your post should be at the top of your feed.

5. As a user, I can comment on a post.

Scenario 5: Comment (pass)

- I. On the home page, open the post from user “Rawr Xd” on 11/26/24, In the “Add comment...” text box, type:
“I am interested!”
Then hit Enter key.
- II. Should see comment bubble in the feed added with your username “sammy slug” and your “I am interested!” comment

6. As a user, I can view my profile.

Scenario 6: View profile (pass)

- I. On home page, click profile icon in the upper right corner
- II. Should show a popup/dropdown overlay menu. Click “View Profile” link.
- III. Should load page profile page with your username at the top (“sammy slug”), and a feed of all your posts you’ve made (should only show 1 post listed from scenario 4).

7. As a user, I can archive my posts. (pass)

Scenario 7: Archive post (pass)

- I. On your profile page, click the only post listed. It should turn grey (with it being orange originally).
- II. Click the back arrow to navigate back to the home page. Should see home page.
- III. Scroll through feed of posts, your post that you greyed out should not be present.
- IV. Can also try searching by keyword for your post. Type: <ikea> into the search textbox. No posts should be listed.

8. As a user, I can sort posts based on date.

Scenario 8: Sort by Date (pass)

- I. On the home page, click the “sort by” dropdown. Select “Newest”.
- II. Post from “Rawr Xd” on 11/26/2024 should be listed first (assuming your post is still archived).

9. As a user, I can edit my posts.

Scenario 9: Edit post (pass)

- I. On your profile page, click the edit icon (the square with a pencil on top) on the right side of your post listed.
- II. Change:
Services Seeking: <Dog walking>
Press “Edit” button.
- III. Press back arrow to home page. Should show home page.
- IV. Find your post in feed and open it.
- V. The services seeking section should be updated with “Dog walking”

10. As a user, I can sort by location proximity to me.

Scenario 10: Location sort (pass)

- I. On the home page, click the “sort by” dropdown. Select “Nearest”.
- II. Post from “sammy slug” (aka. yourself) should be listed first, then “Rawr Xd” should be listed second.

11. As a user, I can search by keyword or certain posts.

Scenario 11: Search keyword (pass)

- I. Click the “Type keywords here...” search text box. Type: <basketball>. Press enter.
- II. Should see post from “flu shot” on 11/19/2024 listed.

12. As a user, I can privately message the person who posted.

Scenario 12: Private message (pass)

- I. On home page, click/open post from “flu shot” on 11/19/2024 with description “TIS IS A TEST OF CRIME”.
- II. Should load post page with more information about the post. Click the 3 vertical dots in the right corner. Select “Message User”.
- III. Should load chat page with username “flu shot” at the top. Type: <“Hi! I am interested in your post”>. Press enter or the send/paper airplane icon.
- IV. Should show message in bubble on chat.

13. As a user, I can log out/sign out of my account.

Scenario 13: Log out (pass)

- I. On home page, click profile icon in right corner. Select “Log out” link.
- II. Should load “Login” page.

● Unit Tests

Backend Unit Tests Can Be Found In This Directory:

react-login/auth-server/test/

- *account.test.ts*

- *chat.test.ts*

- *posts.test.ts*

No tests have failed, but there is no coverage for certain try-catch statements that would be

impossible to test for given the setup of the firestore emulators. Almost all of the code that has no coverage is also unable to be tested because it would mean forcing an error in the database retrieval. There is also a particular part of the retrieveChats service where the chats are sorted that we were unable to get coverage on.