CSwap Test Plan Document

Apr 30, 2022

# Use-Case Testing:

Title: Sign Up

Actors: Unauthorized User

Requirements: The Unauthorized User has an email address, google, or facebook account, and is not already registered with CSwap

Main Scenario:

1. The system displays the login page
2. The unauthorized user clicks the “sign up” button
3. The user is directed to a sign-up page
4. The unauthorized user enters their email and password and clicks “sign up”
5. The system accordingly displays “Sign up successful” and send the user back to the sign in page

Alternatives:

1. The system displays the login page
2. The unauthorized user clicks the “sign up” button
3. The user is directed to a sign-up page
4. The unauthorized user enters their email and password and clicks “sign up”
   1. The unauthorized user clicks “log in” under “already have an account?”
5. The system accordingly displays “Sign up successful” and send the user back to the sign in page
   1. The system displays “Error email already in user”
   2. The system displays “Passwords should be at least 16 characters”

Test Situation:

1. User enters their email and password into the correct fields
2. User enters an invalid email into the email field
3. User enters a weak password into the password field
4. The User clicks “log in” on the signup page

Test coverage:

Base: 5

Test situations cover all 6 cases

100% test coverage

Title: Sign in with Google

Actors: Unauthorized User

Requirements: The user already created an account with google and the login page is displayed

Main Scenario:

1. The unauthorized user clicks the ReCAPTCHA button
2. The ReCAPTCHA button is verified
3. The Unauthorized user clicks the “login with google” button
4. The system displays the google sign in popup
5. The unauthorized enters their google account credentials
6. The system directs the user to the home page

Alternatives:

1. The unauthorized user clicks the reCAPTCHA button
2. 1. The reCAPTCHA is verified
   2. The reCAPTCHA is failed and must be attempted again
3. The unauthorized user clicks the “login with google” button
4. The system displays the sign in with google popup
5. The unauthorized user
   1. Enters their google account information
   2. Clicks on the google account of their choosing
   3. Closes the popup
6. The system
   1. Directs the user to the home page
   2. Directs the user to the login page

Test Situation:

1. User completes the reCAPTCHA
2. The user fails the reCAPTCHA
3. The user clicks on the “login with google” button
4. The user enters their google account information
5. The user chooses a google account that is already signed in
6. The user closes the popup

Test coverage:

Base: 6

Test situation covers all 6 cases

100% test coverage

Title: Create Listing

Actor: Authorized User

Requirements: Authorized user has logged in

Main Scenario:

1. The user clicks on “Create Listing”
2. The system displays a list item form
3. The user enters price and a description of the item
4. The system adds the price and description to the listing
5. The user adds related tags based on the item and listing category
6. The system adds those tags to the listing
7. The user adds photos to the listing
8. The system adds those pictures to the listing
9. The user submits the form
10. The system publishes the item to the site

Alternatives:

1. The user clicks on the “create listing” button
2. The system displays a listing item form
3. 1. The user enters the price and a description of the item
   2. The user doesn’t enter a price or description
   3. The user closes the form
4. The system
   1. Adds the price and description to the listing
   2. Prompts the user to enter a price and description
   3. Redirects the user to the previous page
5. The user
   1. Adds related tags based on the item and the listing category
   2. Doesn’t add any tags to the listing
6. The system
   1. Adds tags to listing
   2. Doesn’t add any tags to listing
7. The user
   1. Uploads photos to the listing
   2. Doesn’t upload any photos to the listing
8. The system
   1. Adds phots to the listing
   2. Doesn’t add photos to the listing
9. The user
   1. Submits the form
   2. Cancels the form
10. The system
    1. Publishes the form to the website
    2. Redirects the user to the home page

Test Situation:

1. The user clicks on “Create listing”
2. The user enters a price and description
3. The user doesn’t enter a price and/or description
4. The user closes the form
5. The user adds tags related to the item’s category
6. The user doesn’t enter any tags
7. The user uploads a photo to the listing
8. The user doesn’t add any photos
9. The user submits the form
10. The user cancels the form

Test coverage:

Base 10

Test situations cover all 10 cases

100% test coverage

Title: Remove own account

Actor: Authorized user

Requirements: the user is logged in and is in the profile section with the account displayed

Main Scenario:

1. The user clicks on the “remove account” button
2. The system displays a popup with “are you sure you want to remove this account”
3. The authorized user clicks “yes”
4. The system removes the users account and redirects the user to the login page

Alternatives:

1. The user clicks on the “remove account” button
2. The system displays on a popup, “are you sure you want to remove this account”
3. The authorized user clicks
   1. “yes”
   2. “no”
4. The system
   1. Removes the authorized user’s account and sends the user to the login page
   2. Returns the user to the profile page

Testing situation:

1. The user clicks on the “remove account button”
2. The user clicks on the yes button
3. The user clicks on the no button

Test coverage:

Base 4

Tests cover all 4 cases

100% test converge

Title: Login

Actor: Unauthorized User

Requirements: The unauthorized user has previously created an account is the login page is displayed

Main Scenario:

1. The unauthorized user clicks the reCAPTCHA button
2. The reCAPTCHA is verified
3. The unauthorized user enters their credentials
4. The system checks that email and password could be valid
5. The unauthorized user clicks login
6. The system redirects the user to the home page

Alternatives:

1. The unauthorized user clicks the reCAPTCHA button
2. The reCAPTCHA
   1. Is verified
   2. Is failed
3. The unauthorized user
   1. Enters correct credentials
   2. Enters invalid credentials
4. The system
   1. Verifies emails and password could be valid
   2. Verifies emails and password are invalid
5. The unauthorized user clicks login
6. The system
   1. Redirects the user to the home page
   2. Displays “Invalid Credentials”

Test situation:

1. The unauthorized user clicks the reCAPTCHA button
2. The unauthorized user fails the reCAPTCHA
3. The user enters the correct email and password
4. The user enters invalid email or invalid password
5. The user enters a wrong email or password
6. The user clicks login

Test Coverage:

Base: 6

The tests cover all 6 cases

100% test coverage

# Unit-Testing: