CSwap Future Planning

Apr 25th, 2022

# **Introduction:**

At the beginning of this project, the CSwap team started with 24 user stories which we needed to adapt into the functionality of the application. That was approximately 12 weeks ago and now the project is down to 11 user stories, about half left to complete. These user stories include item filtering, editing listings, messaging, and so forth. Below is a list of the user stories that can be implemented with further development of this project.

# Remaining User Stories:

* As an authorized user, I want to mark a listing as sold so that I can keep track of what I’ve sold
* As an authorized user I want to be able to filter books by their ISBN Number so that I can efficiently find the book.
* As an authorized user I want to be able to filter all listings by key terms so that I can narrow down my search.
* As an authorized user I want to add tags to my listing so it can be found easier.
* As an authorized user I want to add photos to my listings so that it is more likely to be sold.
* As an authorized user I want to sort listings by ratings so that I can find the best sellers.
* As an authorized user I want to be able to bookmark listings so that I can return to them easier.
* As a poor authorized user, I want to be able to sort books by quality so that I can buy the cheapest books.
* As an authorized user, I want to create a profile so that I can see what the person I am selling to looks like.
* As an authorized user I want to see how many views my listing has so that I can determine if I want to keep it up.
* As an authorized user I want to be able to block messages from buyers so that I do not want to talk to anymore.

# Future Development:

None of the user stories that are listed above add any completely new functionality to our application. There is a messaging functionality currently in development to allow sellers and buyers to contact each other, but complete functionality is still in progress. The ability to block messages adds on to the functionality that is already being developed. More advanced searching builds off of a user’s ability to choose a category to shop and through that category, more advanced and specific search methods will be available to the user.

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 unauthorized user clicks the “sign up” button

2: The user is directed to a sign-up page

3: The unauthorized user enters their email and password and clicks “sign up”

4a: The system accordingly displays “Sign up successful” and send the user back to the sign in page

4a1: The system displays “Error email already in user”

4a2: The system displays “Passwords should be at least 16 characters”

Test Situation:

1: The system displays “Error email already in user”

2: The system displays “Passwords should be at least 16 characters”

3: The system accordingly displays “Sign up successful” and send the user back to the sign in page

Test coverage:

Base: 3

Test situations cover all 3 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

2a: The system displays the reCAPTCHA is verified

2a1: The system displays 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 user Clicks on the Google account of their choosing

6a: The unauthorized user enters their google account information correctly and closes the popup

6a1: The user inputs the user information incorrectly and closes the popup

7a: The system directs the user to the home page

7a1: The system directs the user to the login page

Test Situation:

1: The user fails the reCAPTCHA and remains at the sign in page

2: The user enters their google account information incorrectly and is sent back to the sign in page

3: The user signs in and is directed to the hom page.

Test coverage:

Base: 3

Test situation covers all 3 cases

100% test coverage

Title: Create Listing

Actor: Authorized User

Requirements: Authorized user has logged in

Main Scenario:

1: The user clicks on the “create listing” button

2: The system displays a listing item form

3a: The user enters the price and a description of the item

3a1: The user doesn’t enter a price or description

4a: The system closes the listing form

4a1: The system throws an error that no price or description has been entered and redirects the user to the previous page

5a: The user added related tags basted on the item’s category and qualities

5a1: The user does not add any tags to the listing

6a: The user posts the listing as is

6a1: The user adds a picture under “upload image”

6a2: The user uploads an incorrect format under “upload image”

7a: The system posts the listing with the image

7a1: The system posts the listing without any image

7a2 The system directs the user back to the “upload image” selection because the format was incorrect.

Test Situation:

1: The user does not enter a description and/or price and the listing form is closed.

2: The system posts a listing without a tag or an image

3: The system posts a listing with a tag but no image

4: The system posts a listing with no image but a tag

5: The system posts a listing with a tag and an image

6: The system directs the user back to “upload image” because the image selected was in the incorrect format

Test coverage:

Base 6

Test situations cover all 6 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 on a popup, “are you sure you want to remove this account”

3a: The authorized user clicks “yes”

3a1: The authorized user clicks “no”

4a: The system removes the authorized user’s account and sends the user to the login page

4a1: The system returns the user to the profile page

Testing situation:

1: The user removes their own account and is at the login page

2: The user does not remove their own account because they select “no”

Test coverage:

Base 2

Tests cover all 2 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

2a: The reCAPTCHA Is verified

2a1: The reCAPTCHA Is failed

3a: The unauthorized user enters correct credentials

3a1: The unauthorized user enters invalid credentials

4a: The system verifies emails and password could be valid

4b: The system verifies emails and password are invalid

5: The unauthorized user clicks login

6a: The system redirects the user to the home page

6a1: The system displays “Invalid Credentials”

Test situation:

1: The unauthorized user fails the reCAPTCHA

2: The user fails the username/ password check

3: The user logs in

Test Coverage:

Base: 3

The tests cover all 3 cases

100% test coverage