

System and Unit Test Report
Perfect Gift
The Gifters
March 9th, 2021

System Test Scenarios

Sprint 1

- A. As a user, I want to get to a homepage when I visit the website.

Scenario:

1. Visit <https://aws-frontend.d3i4pwwftbhh87.amplifyapp.com/>

Sprint 2

- A. As a user, I want to create an account where I can answer the questionnaire based on my interests (on login page).
- B. As a user, I want to be able to sign in with a username and password so that I will be able to see my personalized homepage/profile.
- C. As a user, I want to have access to my user profile so that I can eventually edit profile information.

Scenario:

1. Visit <https://aws-frontend.d3i4pwwftbhh87.amplifyapp.com/>
2. Click on “Get Started” OR “Sign In”
3. Click on “Create Account”
4. Enter Details:
 - a. First Name = ‘Jim’
 - b. Last Name = ‘Daniels’
 - c. Email = ‘*example@mail.com*’
 - d. Username = ‘jimdan’
 - e. Password = ‘jimdan’
 - f. Retype Password = ‘jimdan’
5. Enter Interests into corresponding boxes (optional)
6. Click “Continue”
7. Enter Credentials
 - a. Username = ‘jimdan’

- b. Password = 'jimdan'
- 8. Click "Continue"
- 9. Click "My Profile"

Sprint 3

- A. As a user, I want to have access to my user profile so that I can edit my username when I want to.

Scenario:

1. Visit <https://aws-frontend.d3i4pwwftbhh87.amplifyapp.com/>
2. Click on "Get Started" OR "Sign In"
3. Enter Credentials
 - a. Username = 'jdoe'
 - b. Password = 'jdoe'
4. Click "Continue"
5. Click "My Profile"
6. Click the Pencil icon next to "Username"
7. Update Username by typing into text box
8. Click "Save"

- A. As a user, I want to be able to edit my questionnaire responses so that it will reflect what I currently like.

Scenario:

1. Visit <https://aws-frontend.d3i4pwwftbhh87.amplifyapp.com/>
2. Click on "Get Started" OR "Sign In"
3. Enter Credentials
 - a. Username = 'jdoe'
 - b. Password = 'jdoe'
4. Click "Continue"
5. Click "My Profile"
6. Click the Pencil icon next to "Interests"
7. Update Interests by typing into text boxes
8. Click "Save"

- A. As a user, I want to be able to write and add gifts to my wishlist and save it to my profile so other users can see what I like.

Scenario:

1. Visit <https://aws-frontend.d3i4pwwftbhh87.amplifyapp.com/>
2. Click on “Get Started” OR “Sign In”
3. Enter Credentials
 - a. Username = ‘jdoe’
 - b. Password = ‘jdoe’
4. Click “Continue”
5. Click “My Profile”
6. Click the “+ Add to wishlist” text
7. Enter new wishlist item
 - a. “iPhone”
8. Click “Save”

- A. As a user, I want to be able to search by username so that I can find gift suggestions based on another user’s interests/questionnaire responses and wishlist.

Scenario:

1. Visit <https://aws-frontend.d3i4pwwftbhh87.amplifyapp.com/>
2. Click on “Get Started” OR “Sign In”
3. Enter Credentials
 - a. Username = ‘jdoe’
 - b. Password = ‘jdoe’
4. Click “Continue”
5. Select “Username/Email” from the “Search by...” dropdown
6. Enter a valid username in the text box
 - a. “sobyne”
7. Click the Search icon or press the Enter key

Sprint 4

Story

- A. As a gifter, I want to search by email if I don’t know the giftee’s username.
- B. As a user, I want to be able to access a hosted version of the website.

Scenario:

1. Visit <https://aws-frontend.d3i4pwwftbhh87.amplifyapp.com/>
2. Click on “Get Started” OR “Sign In”

3. Enter Credentials
 - a. Username = 'jdoe'
 - b. Password = 'jdoe'
4. Click "Continue"
5. Select "Username/Email" from the "Search by..." dropdown
6. Enter a valid email address in the text box
 - a. "sean234@mail.com"
7. Click the Search icon or press the Enter key

Unit Testing Documentation:

Sign In Page Module

Testing behavior when the user inputs their username and password in the Sign In page and clicks 'Continue'. Done through manual testing, though the underlying database behavior was tested through automated testing.

- Empty required field (username or password) outputs an error saying the user's username and password combination is incorrect.
 - ✗ Username = '', password = ''
 - ✗ Username = 'jdoe', password = ''
 - ✗ Username = '', password = 'test'
- Submitting an incorrect password or nonexistent username outputs an error saying the user's username and password combination is incorrect.
 - ✗ Username = 'jdoe', password = 't'
 - ✗ Username = 'j', password = 'test'
- Submitting a non-empty/existing username and the correct password signs the user in and redirects the user to the home page.
 - ✗ Username = 'jdoe', password = 'test'
- Clicking the 'Create an account' link redirects the user to the Create Account page.

Create Account Page Module

Testing behavior when user input values in the forms on the Create Account page and clicks 'Continue'. Done through manual testing, though the underlying database behavior was tested through automated testing.

- Empty required field (first name, last name, email, username, password, verify password) outputs an Error.
 - ✗ First name = 'John', last name = '', email = 'jdoe@mail.com', username = 'jdoe', password = 'test', verify password = 'test'
- Password not equal to verify password outputs an Error.

- ✗ First name = 'John', last name = 'Doe', email = 'jdoe@mail.com' , username = 'jdoe', password= 'test', verify password = 'password'
- Submitting an existing username outputs an Error.
- ✗ First name = 'John', last name = 'Doe', email = 'jdoe@mail.com' , username = 'sobyne', password= 'test', verify password = 'test'
- Submitting an existing email outputs an Error.
- ✗ First name = 'John', last name = 'Doe', email = 'sean234@mail.com' , username = 'jdoe', password= 'test', verify password = 'test'
- Submitting an Email not in valid format outputs an Error.
- ✗ First name = 'John', last name = 'Doe', email = 'jdoe.mail.com' , username = 'jdoe', password= 'test', verify password = 'test'
- Submitting non-empty first name and last name; matching passwords; unique username; and unique email creates an account and redirects the user to the profile page.
- ✗ First name = 'John', last name = 'Doe', email = 'jdoe@mail.com' , username = 'jdoe', password= 'test', verify password = 'test'

Searching for Username/Email Module

Testing behavior when user input values in the search bar on the Home page and either clicks the 'Search' icon or presses the 'Enter' button. Done through manual testing, though the underlying database behavior was tested through automated testing.

- Submitting an empty string into the search bar causes the page to remind user to input a username or email
 - ✗ search = ''
- Submitting a username that exists in the database outputs a button that displays the user's profile and gift suggestions based on the user's questionnaire responses and wishlist items
 - ✗ search = 'jdoe'
- Submitting a username that does not exists in the database outputs an Error
 - ✗ search = 'jdoed'
- Submitting an email that exists in the database outputs a button that displays the user's profile and gift suggestions based on the user's questionnaire responses and wishlist items
 - ✗ search = 'jdoe@gmail.com'
- Submitting an email that does not exist in the database outputs an Error
 - ✗ search = 'jdoed@gmail.com'
- Submitting a badly formatted email outputs an Error
 - ✗ search = 'jdoe@gmail'

Searching for Gift Module

Testing behavior when user input values in the search bar on the Home page and either clicks the 'Search' icon or presses the 'Enter' button. Done through manual testing, though the underlying database behavior was tested through automated testing.

- Submitting an empty string into the search bar causes the page to remind the user to input a gift.
 - ✗ search = ''
- Submitting a gift that is valid outputs a list of potential gifts that the user may click on to purchase.
 - ✗ search = 'bandana'
 - ✗ search = 'headphones'
- Submitting an invalid gift name outputs an error message that no gifts exist for that gift.
 - ✗ search = 'k'
 - ✗ search = 'ksdbgidzfbgkljfg'

Updating Wishlist

Testing behavior when the user inputs clicks the plus sign (+) next to "Add to Wishlist" in the Profile page, types in an item into the text box, and clicks 'Save' or 'Undo'. Done through manual testing, though the underlying database behavior was tested through automated testing.

- Submitting an invalid wishlist item outputs an error message to check if there is a typo in the typed item or to make sure the wishlist item is the full name of the item or else eBay cannot find the item correctly.
 - ✗ Enter wishlist item here = 'k'
 - ✗ Enter wishlist item here = 'kkhdkbkdbj'
- Submitting a valid wishlist item adds the item to the wishlist
 - ✗ Enter wishlist item here = 'starbucks giftcard'
 - ✗ Enter wishlist item here = 'mug'
- Clicking the 'x' button next to the wishlist item removes the item from the list