System and Unit Test Report:
Pen Pals
12/2/2018

System Test Scenarios

Sprint 1:

- **User Story #1**: "As a user, I want to create an account so that I can log onto the site." (8)

Scenario:

Start Flaskr app and enter the url 'http://127.0.0.1:5000/auth/start_page' into your browser. Once there, Click 'Register' tab and enter the following fields:

- Email = <mom@yahoo.com>
- Password = <hello22>
- Re-Enter Password = <hello22>
- Press 'Continue'
- First Name = <Not>
- Last Name = <Mom>
- Display Name = <TotallyMom>
- Press 'Register'
- User should see that account is now active by being at url 'http://127.0.0.1:5000/main/create_bio' .

- **User Story 2**: "As a book reader, I want to create a profile so that other users will know what kind of literature I'm interested in." (4)

Scenario:

Given scenario above has happened and user is already at url 'http://127.0.0.1:5000/main/create_bio', user should be at a box with title 'Add Description'. User clicks inside box and types description of book tastes. Then, Press 'Next'. If user does not want profile picture, click 'Next' button. Else,click button with caption 'Drop image file here Or click here to select image'. User clicks button which pulls up downloads section in file explorer. Once prompted,

- Select a JPEG or PNG file to use as profile picture
- Press continue in file explorer
- User should see picture works by it appearing on the website

Finally, at Box titled 'Add books to your profile' , type

- +genre = <Horror>
- Press enter
- User should see genre saved above the line as a tag
- +title = <Hunger Games>
- Press enter
- User should see title saved above the line as a tag

Sprint 2:
- User Story #1: "As a user, I want a simple clean interface to interact with and use the website." (8)

Scenario:
- User Story #2: "As a clumsy user, I want to all my submission forms to be checked for validity without redirecting me." (4)
- User Story #3: "As a user, I want to be able to add a variety of different books to my profile so that I can match with other users." (8)
- User Story #4: "As a user, I want to send and receive messages and be notified when I match with other users so that I can discuss the books I'm interested in." (8)

Scenario:

Start Flaskr app and enter the url 'http://127.0.0.1:5000/auth/start_page' into your browser. Log in or create an account. Once logged in, search for a book genre or a title to find other users that have added said genres or titles to their profiles by following these steps:
- Enter a genre or title in the genre or title text field
- Press enter
- Click search

After following those steps, you will see a list of users that match the search criteria. To message the user, click on the user's card and click "Message". You will be taken to a page where you are composing a new message to the user you have chosen, with your active conversations displayed on the left hand side of the page. Type your message and press the send button to the right to send a message to the selected user.

To check your messages, click on the link in the nav bar to go to the messaging page, where your conversations will be displayed in a column on the left. From there you can view the messages you have received and may compose a new message by clicking on an active conversation.

Sprint 3:
- User Story #1: "As a user, I want a way to send messages to other users, so that I can discuss the books I'm interested in." (10)

Scenario:

Please refer to the scenario in Sprint 2 User Story 4.
- User Story #2: "As a user, I want to upload a profile picture to my profile to personalize my page." (4)

Scenario:

Given scenario for User Story 1 of Sprint 1 has happened and user is already at url 'http://127.0.0.1:5000/main/create_bio', user arrives at a page with a box titled 'Add Description'. Click 'Next' button in bottom right corner and user will be at profile picture

page. If user does not want profile picture, click 'Next' button. Else,click button with caption 'Drop image file here Or click here to select image'. User clicks button which pulls up downloads section in file explorer. Once prompted,

- Select a JPEG or PNG file to use as profile picture
- Press continue in file explorer
- User should see picture works by it appearing on the website

- **User Story #3:** "As a user, I want to add a book from the database to my user profile to show others my book interests." (4)

Scenario:

Given scenario for User Story 1 of Sprint 1 has happened and user is already at url 'http://127.0.0.1:5000/main/create_bio', user arrives at a page with a box titled 'Add Description'. Click 'Next' button in bottom right corner and user will be at profile picture page. Then, click the 'Next' button.Finally, at Box titled 'Add books to your profile' , type

- +genre = <Horror>
- Press enter
- User should see genre saved above the line as a tag
- +title = <Hunger Games>
- Press enter
- User should see title saved above the line as a tag

- **User Story #4:** "As a user, I want to be able to search for other users based on input search criteria to find someone to pen pal with." (8)

Scenario:

Start Flaskr app and enter the url 'http://127.0.0.1:5000/auth/start_page' into your browser. Log in or create an account. Once logged in, click on the search link on the nav bar. You can then enter in genres and books into the genre fields which will autocomplete into chips. Once you have all the tags you want to search for entered, his the search button and the page will display all the users with matching data.

Sprint 4:

- **User Story #1:** "As a user, I want a way to send messages to other users, so that I can discuss the books I'm interested in." (10)

Scenario:

Please refer to the scenario in Sprint 2 User Story 4.

- **User Story #2:** "As a user, I want to be able to access Pen Pals for the rest of my life so I can never be lonely." (8)

Currently No Plausible Scenario

- **User Story #3**: "As a user, I want to add a book from the database to my user profile to show others my book interests." (4)

Scenario:

Start Flaskr app and enter the url 'http://127.0.0.1:5000/auth/start_page' into your browser. Log in or create an account. Once logged in, click on the Edit Bio link in the nav-bar to take you to your bio page. From their you can add a description on the first page, a profile picture on the second page and finally you can type in the names of various titles on the third page which will autofill suggestions for existing titles. Then just click the chip that pops up and hit the submit button to save your books to the database.