

System and Unit Test Report

Product Name: Clothr

Team Name: Clothr Team

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Sprint 1

User story 1: As a developer, I want to familiarize myself with Xcode and swift language so that I can help develop the app (8 points)

- Follow youtube tutorials for visual reference to set up Xcode and get project running
- Look up documentation on swift language and c++ language to find out the libraries we need to be using and get used to the syntax of both languages
- Look at example apps that contain other APIs to get a feel of what we need to do

User story 2: As a developer, I want to familiarize myself with Google's firebase database and Amazon's API so that I can learn how to connect different APIs to our app (5 points)

- Follow documentation on how to use and connect APIs to our app
- Follow documentation on how to use Google's database to set up multiple user management

User Story 3: As a developer, I want to familiarize myself with Amazon's relational database (5 points)

- Follow documentation on how to set up and create a database
- Research on how to connect the database to the app and use the data from the database

Scenario:

1. Use Udemy tutorial to understand how to use xcode.
2. Google about Google's firebase database and Amazon's API
 - a. Note: We ended up not using Google's firebase database and Amazon's API for multiple reasons
 - b. In order to use Amazon's API, it required the app to be complete and working already
 - c. We decided to use Parse as a database because we had some experience in the database
3. Share all documents or information we find

Sprint 2

User Story 1: As a user, I want to be shown a picture of clothing on the main page so that I could decide whether or not to save or discard it. (5 points)

- Get random images from internet, put them in buffer
- Set up center "square" for pictures and transfer pictures from buffer to square

User Story 2: As a user, I want to be able use swiping features similar to that of tinder and swipe right to save the images of the clothes I like, and swipe left to discard the images of clothes I do not like so that I can revisit the image that I liked. (13 points)

- Set up swiping function using swift/c++
- Set up basic data structure to store the images in (hash table)
- Set up basic function to reset buffer if it gets low/empty

User Story 3: As a user, I want to be able to view the saved images of the clothing I swiped right on in another page so that I can buy them later. (8 points)

- create another page for data structure
- set up UI for the data structure

User Story 4: As a user, I want to be shown a login page so that I can log in to the app and see my own list of saved clothing items. (13 points)

- set up the login page w/a form for user authentication
- allow users that login have access to their own saved items

Scenario:

1. Start Clothr app; Select "create account"; type
 - a. Username = < >
 - b. Email = < >
 - c. Password = < >
 - d. Press Register
2. Once logged in, user can see cards with a picture on it
 - a. User can swipe right to indicate "Like"
 - b. User can swipe left to indicate "Dislike"
3. Click on "Checkout" and user should see the pictures they swiped right on "Like"

Sprint 3

User Story 1: As a user, I want to be able to access clothing from the ShopStyle's clothing selection so that I can see a larger selection of clothing and be able to buy it. (8 points)

- Create filters for the clothing
- Figure out the API that shows specific clothing selections

User Story 2: As a user, I want to be able to see the details of the current piece of clothing in another page when I tap on it so that I could be sure of the clothing I want to save. (13 points)

- Create the UI for more detail on the clothing article

Scenario:

1. Start the Clothr App; log in using their own information
2. Once they log in, they can see actual clothes that is on sale through the ShopStyle API
3. Double click on the picture of the clothing

4. You'll be able to get a more detailed view
 - a. How much the piece of article costs
 - b. Where you can find it
5. Within the detailed view, double tapping on the image will allow you to see other pictures of the same article of clothing.
6. Dragging down on the detailed page will return the user back to the main page.

Sprint 4

User Story 1: As a user, I want to be able to view different tags so that I could focus on one type of clothing instead of clothes I don't want to see.

- Different labels for the different filters
- Connecting filters to api
- Saving filters to database

User Story 2: As a user, I want to be able to navigate the app on any sized device w/a nice UI so that I can use the app with ease through a well done design.

- adjusting backgrounds, labels, and pictures to fit proportionally on any screen

User Story 3: As a user, I want to be able to learn how to use the app with directions for the gestures.

- Having a tutorial that teaches users how to use each function

Scenario:

1. Start the Clothr app; Log in;
2. Click on the top left where the filter icon is located
3. Users can change the filter based on their preference
 - a. Brand
 - b. Retailer
 - c. Price Range
 - d. Color
4. Press the back button
5. Press on the user setting icon on the top right
6. In the setting you can...
 - a. Change your password
 - b. Delete your account
 - c. Go through a tutorial on how to work the app
 - d. About Us
 - e. Logout of the app
7. Click on the Tutorial Button,
 - a. Scroll down to view entire tutorial without leaving page