|  |  |  |
| --- | --- | --- |
| **Name** | **Time** | **Description** |
| Brandon Jackson | 9/10/17 | Functional Requirements 1-6 |
| Brandon Jackson | 9/11/17 | Functional Requirements 7-15 |
| Erik Culberson | 9/11/17 | Functional Requirements 16-30 |
| Kyle Schrade | 9/11/17 | User Stories 1-7 |
| Evan Bradley | 9/12/17 | Functional Requirements 31-40 |
| Joseph Herkness | 9/12/17 | Nonfunctional Requirements 1-5 |
| Evan Bradley | 9/12/17 | Functional Requirements 41-45 |
| Joseph Herkness | 9/13/17 | Functional Requirements 46-50, Nonfunctional Requirements 6-10 |
| Kyle Schrade | 9/13/17 | User Stories 8-20 |

**Functional Requirements**

1. There shall be a registration process for new Shoppers to create a profile.
2. The registration form shall contain the required fields as shown below:
   1. First Name
   2. Last Name
   3. Email
   4. Password
   5. Confirm Password
3. The registration process shall submit the user’s information when they click the submit button.
4. The registration form shall have the following requirements
   1. Email shall be unique
   2. Email shall contain an @ symbol
   3. Password shall be at least eight characters
   4. Password and Confirm Password fields shall be equal
   5. All required fields shall be filled out
5. All requirements listed in functional requirement four shall be fulfilled in order for registration data to be submitted to the database.
6. If any of the requirements listed in functional requirement four are not fulfilled, the information shall not be submitted, but instead shall place a red marker next to the missing fields.
7. Upon clicking the submit button and proper submission of registration information, the website shall return the now Shopper to the home page.
8. A registration button shall be displayed on the homepage and should lead to the registration page.
9. A login button shall be displayed on the homepage and should lead to a login page.
10. The login form shall contain the following fields:
    1. Username
    2. Password
11. There shall be a submit button on the login page that should lead the user to their profile page.
12. If the information entered in the login fields does not match the information found in the database, the user shall not be permitted to login.
13. Upon rejection of logging in, the following message shall be displayed “the entered username or password was incorrect”.
14. The login page shall contain a link for users who forgot their password.
15. The “forgot password” link shall take the user to the forgot password page.
16. The forgot password page shall contain a field to enter the Shopper’s email address.
17. Upon submission of the email address on the forgot password page, an email with the corresponding password shall be sent to the entered email address if the email address is found in the database.
18. Users shall be required to login to have access to the website.
19. There shall be a logout button that logs the Shopper out of their profile.
20. Shoppers shall have the ability to edit their profile information.
21. The profile page shall contain the information recorded in the database for that Shopper’s profile
22. The edit profile page shall have the same fields as the registration page.
23. There shall be a submit button on the edit profile page that when clicked will make the proper changes to the Shopper’s information in the database
24. There shall be a Channels page that can be reached from the Home page.
25. The Channels page shall contain all the Channels that the Shopper has visited and a search bar in the header to search for other channels.
26. Upon visiting a Channel page, the Channel will now be added to the Channels tab within the Shoppers profile.
27. A Channel page shall have a name that describes the type of products that generally will appear within its feed.
28. There shall be a “liked products” page that can be reached from the Home page
29. The “liked products” page shall contain every product that the Shopper has clicked the like button on.
30. The selection algorithm shall use input from the Shopper to customize the products it presents.
31. Channels shall present one image of a product at a time.
32. There shall be a like button for the Shopper within the Channel page.
33. There shall be a dislike button for the Shopper within the Channel page.
34. There shall be a more information button for the Shopper within the Channel page.
35. Upon clicking the like button by the Shopper, the product that was liked will now be added to the Shoppers profile under the liked products tab.
36. Upon clicking the dislike button by the Shopper, the product that was disliked will never be shown to the Shopper again.
37. Upon clicking the more information button by the Shopper, the Shopper will be lead to the more information page.
38. The more information page shall contain the following information:
    1. The brand of the product
    2. The manufacturer of the product
    3. A link to where the product can be purchased
    4. A description of the product
39. Within the Channel view, there shall be a left arrow.
40. Within the Channel view, there shall be a skip arrow.
41. Upon clicking the left arrow, it shall return the Shopper to the previous product shown.
42. Upon clicking the skip button, a new product shall be shown to the Shopper.
43. Channels shall present a new product to the Shopper on the input of liking, disliking or skipping the image shown.
44. There shall be a delete button that removes a channel from a Shopper’s profile.
45. The delete button for channels shall be accessed by sliding the channel name to the left.
46. Based off the Shoppers likes, dislikes and preferences, the selection algorithm shall update the Shoppers profile in order to better select products in the future.
47. There shall be a home page show upon logging in.
48. The Home page shall contain the top 10 products liked by all Shoppers who used the website.
49. There shall be a following channel within the Channels page.
50. The following channel shall contain all the products that people the Shopper follows have liked and the channel will have products that are similar to the items liked by the people being followed.

**Non-Functional Requirements**

1. All pages must load within five seconds of being requested.
2. Shopper profile network shall refresh at midnight.
3. Passwords shall be hashed and salted for security.
4. Webpage shall display across Chrome, Safari, Firefox.
5. Shopper information shall be stored in a relational database.
6. The database shall be properly updated upon request within five seconds.
7. The website shall be accessible 95% of any given day.
8. The product selection algorithm shall select the best products for the Shopper.
9. The website shall be viewable on a mobile device.
10. The website shall allow no more than five failed attempts at logging in before suspending the user’s rights to log in.

**User Stories**

1. As a user, I can register for a profile.
2. As a Shopper, I can sign into my profile.
3. As a Shopper, I can sign out of my profile.
4. As a Shopper, I can create/search for a new channel.
5. As a Shopper, I can open a channel to go into channel view.
6. As a Shopper, I can like a product.
7. As a Shopper, I can dislike a product.
8. As a Shopper, I can skip a product.
9. As a Shopper, I can edit my profile.
10. As a Shopper, I can view more information on a product.
11. As a Shopper, I can view the products I have liked.
12. As a Shopper, I can go back to a previous product in the channel.
13. As a Shopper, I can view my profile.
14. As a Shopper, I can view the liked products page.
15. As a Shopper, I can view the channels page.
16. As a Shopper, I can delete a channel.
17. As a Shopper, I can view the home page.
18. As a Shopper, I can view the following channel.
19. As a Shopper, I can view the top 10 trending products on the homepage.
20. As a Shopper, I can see a photo of the present product.