**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. Username
   4. Email
   5. Password
   6. 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. Username shall be unique
   2. Email shall be unique
   3. Email shall contain an @ symbol
   4. Password shall be at least eight characters
   5. Password and Confirm Password fields shall be equal
   6. 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 send a verification email.
8. There shall be a link that when clicked, shall verify the user’s account within the verification email.
9. When the user clicks the verification link, there shall be a change made in the database denoting that the account is verified.
10. A registration link shall be displayed on the login page and should lead to the registration page.
11. A login button shall be displayed on the homepage and should lead to a login page.
12. The login form shall contain the following fields:
    1. Email
    2. Password
13. There shall be a submit button on the login page that should lead the user to their profile page when proper credentials are entered.
14. 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.
15. Upon rejection of logging in, the following message shall be displayed “the entered username or password are incorrect”.
16. Users shall be required to login to have access to pages other than the login page.
17. There shall be a logout button that logs the Shopper out of their profile.
18. Shoppers shall have the ability to edit their profile information.
19. The edit profile page shall have the same fields as the registration page.
20. 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

**Non-Functional Requirements**

1. All pages must load within five seconds of being requested.
2. Passwords shall be hashed and salted for security.
3. Webpage shall display across Chrome, Safari, Firefox.
4. Shopper information shall be stored in a relational database.
5. The database shall be properly updated upon request within five seconds.
6. The website shall be accessible 95% of any given day.
7. The website shall allow no more than five failed attempts at logging in before suspending the user’s rights to log in.
8. A verification email shall be sent within five seconds of a user finishing registration.

**User Stories**

1. As a user, I can register for a profile.
2. As a Shopper, I can verify my email.
3. As a Shopper, I can sign into my profile.
4. As a Shopper, I can sign out of my profile.
5. As a Shopper, I can edit my profile.