**1. User Requirements**

**1.1Functional Requirements**

**URS1-1:** The customer can register to E-shopping system.

**URS1-2:** The customer can log in to the E-shopping system.

**URS1-3:** The customer can view all product from E-shopping system.

**URS1-4:** The customer can search product from E-shopping system.

**URS1-5:** The customer can view his/her shopping history.

**URS1-6:** The customer can browse product catalogs from E-shopping system.

**URS1-7:** The customer can select product to his/her cart.

**URS1-8:** The customer can remove product from his/her cart.

**URS1-9:** The customer can check out.

**URS1-10:** The customer can select payment option.

**URS1-11:** The customer can update his/her information.

**URS1-12:** The administrator can add new product to E-shopping system.

**URS1-13:** The administrator can view all shopping history.

**URS1-14:** The customer can log out.

**URS1-15:** The administrator can log out.

**1.2 Non-Functional Requirement**

**URS2-1:** The system can show user identity on the top-right of screen.

**2. Software Requirement Specification**

**2.1 Functional Requirements**

**URS1-1: The customer can register to E-shopping system.**

* **SRS1-1.1:** The system shall displays registration interface on screen.
* **SRS1-1.2:** The system shall check whether all information are complete or not.
* **SRS1-1.3**: The system shall have to check whether username has already exist in the system or not.
* **SRS1-1.4**: The system shall record the customer information to database.

**URS1-2: The customer can log in to the E-shopping system.**

* **SRS1-2.1:** The system shall displays log in interface on screen.
* **SRS1-2.2:** The system shall check whether username and password are correct or not.
* **SRS1-2.3**: The system shall displays “Wrong ID” if username and password are not correct.
* **SRS1-2.4**: The system shall identify user on top-right of screen.

**URS1-3: The customer can view all product from E-shopping system.**

* **SRS1-3.1:** The system shall displays all product picture and all product detail from database to customer.

**URS1-4: The customer can search product from E-shopping system.**

* **SRS1-4.1:** The system shall provide search box and search button.
* **SRS1-4.2:** The system shall display product that customer search from database.

**URS1-5: The customer can view his/her shopping history.**

**E-shopping.**

* **SRS1-5.1:** The system shall provide history button.
* **SRS1-5.2:** The system shall display all his/her history from database.

**URS1-6: The customer can browse product catalogs from E-shopping system.**

* **SRS1-6.1:** The application shall have the interface to displays product of E-shopping.
* **SRS1-6.2:** The application shall have ability for user to select product to cart of E-shopping

**URS1-7: The customer can select product to his/her cart.**

* **SRS1-7.1:** The system shall provide “Add to cart” button and “Quantity” text box.
* **SRS1-7.2:** The system shall display his/her cart after his/her click “Add to cart” button.

**URS1-8: The customer can remove product from his/her cart.**

* **SRS1-8.1:** The system shall provide “Remove” button.
* **SRS1-8.2:** The system shall delete product form his/her cart.

**URS1-9: The customer can check out.**

* **SRS1-9.1:** The system shall provide “Check out” button.
* **SRS1-9.2:** The system shall clear his/her cart from database.
* **SRS1-**9.3: The system shall record his/her history to database.

**URS1-10: The customer can select payment option.**

* **SRS1-10.1:** The system shall provide “payment option” check box.

**URS1-11: The customer can update his/her information.**

* **SRS1-11.1:** The system shall provide “Edit profile” button.
* **SRS1-11.2:** The system shall provide update his/her information form.
* **SRS1-**11.3: The system shall check whether all information are complete or not.
* **SRS1-**11.4: The system shall check whether username is already exist on database or not.
* **SRS1-**11.5: The system shall update customer information to database.

**URS1-12: The administrator can add new product to E-shopping system.**

* **SRS1-12.1:** The system shall provide add new product form.
* **SRS1-12.2:** The system shall check whether all information are complete or not.
* **SRS1-**12.3: The system shall record the product to database.

**URS1-13: The administrator can view all shopping history.**

* **SRS1-13.1:** The system shall provide “History” button.
* **SRS1.**13.2: The system shall provide all shopping history.

**URS1-14: The customer can log out.**

* **SRS1-14.1:** The system shall provide “Log out” button.
* **SRS1-**14.2: The system shall destroy user session.

**URS1-15: The administrator can log out.**

* **SRS1-15.1:** The system shall provide “Log out” button.
* **SRS1.**15.2: The system shall destroy user session.