**Use Case xx: Home page**

**Overview:**

This use case enables users to access the main content, including search bar, user login/sign up, promotion, shopping cart and products list.

**Preconditions:**

1. The database is accessible
2. Homepage\_View is displayed
3. Promotion exists.

**Scenario:**

|  |  |
| --- | --- |
| Action | Software Reaction |
| 1. Users input keyword in search bar and click search | 1. Software will give a list related to the key word. |
| 1. Click on sign up button | 2. Sign up window shows up |
| 1. Click on login button | 3. Login button shows up |
| 4. Click on shopping cart | 4. If user has logged in, show shopping cart. Or shows login and sign up window |
| 5. Click on promotion icons | 5. Show items information in a new page |
| 6. Click on products list | 6. A list will show detailed products classifications |

**Scenario Notes:**

Step 2: Software will login users if they sign up.

**Post Conditions:**

1. A new page with a list of products will be directed to (if search in search bar or click on prodcuts list)

1. A new page with a product information will be directed to (if click on the promotion icon)

**Required GUI**

HomePage\_view

Signup\_window

Login\_window

**Exceptions:**

1. The database cannot be accessed.

**Use Cases Utilized:**

None

**Timing Constraints:**

None

**Use Case xx: Checkout**

**Overview:**

This use case enables users to checkout if they have put any product in the shopping cart

**Preconditions:**

1. The database is accessible 2. Checkout\_View is displayed

3. Shopping cart is not empty 4. User has signned in.

5. User has put his credit/debit card information in the system

**Scenario:**

|  |  |
| --- | --- |
| Action | Software Reaction |
| 1. Input shipping address | 1. Order has a shipping address |
| 2. Input payment method | 2. Order has a payment method |
| 3. Change quantity option | 3. Order changes quantity of a product |
| 4. Change delivery option | 4. Order has a delivery option |
| 5. Click on place order button | 5. Order is placed. |

**Scenario Notes:**

Step 1, 2, 3, 4 if user does not change, software will use the default parameter. Step 3 system will check whether there are enough products available.

**Post Conditions:**

1. The order is placed (if user click on place order button)

2. The quantity available in the database is changed (if user click on place order button)

3. User’s credit/debit card is charged.

**Required GUI**

Checkout\_View

**Exceptions:**

1. The database cannot be accessed.

**Use Cases Utilized:**

None

**Timing Constraints:**

None