**Use Case Specification**

* **Registration:-**

**Use case Name**: - Registration

**Brief Description**: -

The registration feature allows the user to enter the required details in the form given. The details are required to create a unique account for the user with his unique id and password.

**Actors Involved**: - Sellers, Buyer.

**Frequency, criticality and priority**:-

Not so frequently used, code complexity is average and priority is highest.

**Pre-Condition**:-The user has to visit the official webpage of the system where the form for account creation is available.

**Basic Flow Event**:-

|  |  |
| --- | --- |
| **Actors** | **System** |
| 1. The sellers or buyers visit the official page of the system |  |
|  | 1. Official Page loads |
| 1. The actors enter the required details include Name, Age, home address, gender, DOB, email id and unique strong password. |  |
|  | 1. The user successful created their unique account in the system |

**Alternate Flow of Event**:-

3.1 The actors get error to “To re-enter the data “if the information was incorrect.

3.2 The actors get error to “To fill all the mandatory fields” if all the fields are not filled.

3.3 The actors may get error such as “Unable to connect to database, please try again”.

4.1 The actors get an error unable to create an account, please try again.

**Post Condition**:-

Login details successfully stored in the database.

**Special Conditions**:-

The system access time should be very less.

* **Sign in:-**

**Use case Name**: - Sign in

**Brief Description**: -

The user logs into the system with the provided unique email id and password.

**Actors Involved**: - Sellers, Buyer, and admin.

**Frequency, criticality and priority**:-

Frequently used, with average complexity and high priority since users are logged through this module.

**Pre-Condition**:-The user must have signed up in the system.

**Basic Flow Event**:-

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. The sellers or buyers logins through the user id and password provided earlier. |  |
|  | 1. After authentication the user is logged in to the system. |
|  | 1. The user is redirected to the home page of |

**Alternate Flow of Event**:-

2.1 The actors get error to “To re-enter the data “if the information was incorrect.

2.2 The actors get error to “To fill all the mandatory fields” if all the fields are not filled.

2.3 The actors may get error such as “Unable to connect to database, please try again”.

3.1 The actors get an error “Server down pleases try again.

**Post Condition**:-

The user is logged in to the system. The user has access to the functions of the system.

**Special Conditions**:-

The system access time should be very less.

* **Upload Product Ads**:-

**Use case Name**: - Upload product Ads

**Brief Description**: -

The seller can upload the images of the product that they want to sell and the product description that the seller wants to add such as product name, price, for how long it is used.

**Actors Involved**: - Sellers.

**Frequency, criticality and priority**:-

Frequently used, with high complexity and high priority since sellers used it frequently for selling out their products.

**Pre-Condition**:-The user must have signed up in the system.

**Basic Flow Event**:-

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. The sellers or buyers logins through the user id and password provided earlier. |  |
|  | 1. After authentication the user is logged in to the system |
|  | 1. The user is redirected to the home page of the system. |
| 1. The user selects the upload Product Ad tab. |  |
|  | 1. Page for uploading Ads loads |
| 1. User uploads the Image of the product |  |
| 1. Enter the product details in the description and also enter the price in the price field. |  |
|  | 1. Product successfully registered. |

**Alternate Flow of Event**:-

6.1 The actors get error to “Please make sure that the size of the image is less than 2 MB”.

7.1 The actors get error to “To fill all the mandatory fields” if all the fields are not filled.

8.2 The actors may get error such as “Unable to connect to database, please try again”;

8.3 The actors get an error “Server down pleases try again.

**Post Condition**:-

The user has access to the select the upload Ad tab in the system.

**Special Conditions**:-

The system access time should be very less.

* **Modify Product Ads**

**Name**: - Modify Product Ad

Brief Description: - The modify product Ad tab allows the seller to modify the details of the ads such as the product photo, product description, product prices etc.

**Actors Involved**: - Seller

**Frequency, Priority and Criticality**:-

The use case is used every time a seller has product ads, it has average priority and the complexity of code is average.

**Pre-Condition**:-

The seller must have logged in the system and has a verified product ad uploaded.

**Basic Flow Event:-**

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. The sellers logins through the user id and password provided earlier. |  |
|  | 1. After authentication the user is logged in to the system. |
|  | 1. The user is redirected to the home page of the system. |
| 1. The user selects the upload Product Ad tab. |  |
|  | 1. The tab is loaded on the users device |
| 1. Select Manage ad Tab option |  |
| 1. Select the modify ad option. |  |
|  | 1. Modify page appears |
| 1. Modify the details that you want to modify. |  |
|  | 1. Ad successfully modified. |

**Alternate flow of Event**:-

7.1 The seller can get the error “No ads in your account”.

9.1 The actors get error to “Please make sure that the size of the image is less than 2 MB”.

9.2 The actors get error to “To fill all the mandatory fields” if all the fields are not filled.

10.1 The actors may get error such as “Unable to connect to database, please try again”;

10.2 The actors get an error “Server down pleases try again.

**Post –Condition**:-

The modification done to the ad is legitimate.

**Special Condition**:-

The action should be performed within in 15 minutes.

* **Remove Ads:-**

**Name**: - Remove Ads.

**Description**: - The remove ads allow the seller to remove the ads that are no longer required or the product has been sold out.

**Actors Involved**: - Seller

**Pre-Condition:-**

The seller must have logged in the system and has a verified product ad uploaded.

**Basic Flow of System**:-

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. The seller’s logins through the user id and password provided earlier. |  |
|  | 1. After authentication the user is logged in to the system. |
|  | 1. The user is redirected to the home page of the system. |
| 1. The user selects the upload Product Ad tab. |  |
|  | 1. The tab is loaded on the users device |
| 1. Select Manage ad Tab option |  |
| 1. Select the Remove ad option. |  |
|  | 1. Confirmation pop up |
| 1. User enter yes |  |
|  | 1. Ad successfully removed |

**Alternate Flow of Events**:-

7.1 The actors get error to “Unable to delete the ads, please try again”.

10.1 The actors may get error such as “Unable to connect to database, please try again”;

10.2 The actors get an error “Server down pleases try again.

**Post –Condition**:-

The re-enter the password to cross verify the seller.

**Special Condition**:-

The action should be performed within in 15 minutes.

**Add to cart**:-

**Name:** - Add to cart.

**Brief Description:** - The add to cart allows the buyers to add the products to the cart that he wants to buys or would like to buy.

**Actors Involved**: - buyers.

**Frequency, Priority and Criticality:-**

The use case is used often when the buyers like any product, criticality is average and priority is average.

**Basic Flow of Event:-**

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. The buyer’s logins through the user id and password provided earlier. |  |
|  | 1. After authentication the user is logged in to the system |
|  | 1. The user is redirected to the home page of the system. |
| 1. The buyer searches from the ads available. |  |
|  | 1. Product appears in grid. |
| 1. Buyer ads the ads he likes by clicking the ad to cart option available on product |  |
|  | 1. Product successfully added to your cart. |

**Alternate Flow of Events:-**

4.1 The actor gets error “product searched is not available”.

7.1 The actors get error to “Unable to add the ad to the cart, please try again”.

**Post –Condition:-**

The buyers cannot add more than 3 products to the cart.

**Special Condition**:-

The action should be responsive.

**Search:-**

**Name**:-Search.

**Description**:-Allows the sellers, buyers, admin to the search the products.

**Actors Involved**: - Sellers, buyers, admin all can search the products.

**Frequency, Priority and Description:-**

The mostly widely used feature, high priority and criticality are average.

**Pre-Condition:-**

User should be logged in, search the product based on the name.

**Basic Flow of Event:-**

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. The user logins through the user id and password provided earlier. |  |
|  | 1. After authentication the user is logged in to the system |
|  | 1. The user is redirected to the home page of the system. |
| 1. The user searches from the ads available. |  |
|  | 1. Product appears in grid. |

**Alternate Flow of Events**:-

5.1 The actor gets error “product searched is not available”.

5.2 The actors get error to “Unable to add the ad to the cart, please try again”.

**Post –Condition:-**

The product is not available.

**Special Condition:-**

The action should be responsive.

**Help:-**

**Name**:-help

**Description:** - Provides video tutorials explaining the working of the system, FAQ and their answers.

**Actors Involved**:- Sellers, buyers, admin.

**Frequency, Priority and Description:-**

The mostly widely used feature, high priority and criticality are average.

**Pre-Condition**:-

User should be logged in the system.

**Basic Flow of Event:-**

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. The sellers or buyers logins through the user id and password provided earlier. |  |
|  | 1. After authentication the user is logged in to the system. |
|  | 1. The user is redirected to the home page of the system. |
| 1. The user selects the help tab. |  |
|  | 1. The tab is loaded on the users device |
| 1. The actor can then select where they want video or FAQ. |  |
|  | 1. Respective page appears. |

**Alternate Flow of Events:-**

7.1 The actor gets error “Unable to load the video”.

**Post –Condition:-**

None

**Special Condition:-**

The most of the FAQ should be answered.

**Payment:-**

**Name:** -Pay

**Description**: - Allows the payment for the product that the buyers want to buy.

**Actors Involved**: - Seller and buyer.

**Frequency, Priority and Criticality:-**

It is used when the buyer wants to buy a product, high priority and criticality high.

**Basic Flow of Event:-**

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. The buyers’ logins through the user id and password provided earlier. |  |
|  | 1. After authentication the user is logged in to the system. |
|  | 1. The user is redirected to the home page of the system. |
| 1. The user searches from the ads available. |  |
|  | 1. The products related appear in grid. |
| 1. The actor can then select the product he wants to buy. |  |
|  | 1. A new tab showing product details appear. |
| 1. The buyer can either book the product a then pay through cash to the user or the buyer can use the payment gateway feature such as payTM. |  |
|  | 1. System asks for confirmation. |
| 1. User clicks yes. |  |
|  | 1. Product successfully booked /purchased. |

**Alternate flow of event:-**

5.1 The product is unavailable, try other one.

9.1 The product cannot be bought because it has been booked or purchased.

9.2 The transaction or booking failed please try again.

10.1 The system is unable to connect to database please try again

10.2 The server is down try again later.

**Post-Condition:-**

The product should be delivered within a given period.

**Special Condition:-**

Rollback if the transaction is not completed.

**Filter:-**

**Name**: - Filter.

**Brief Description**: - The admin has the rights to delete a product that he fills is not valid and should not be sold such products can be removed by the admin.

**Actor**: - Admin.

**Frequency, Priority and Criticality:-**

It is used when the admin to keep check on the system, high priority and criticality high.

**Basic Flow of Event**:-

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. The admin logins through the user id and password provided earlier. |  |
|  | 1. After authentication the user is logged in to the system. |
|  | 1. The user is redirected to the home page of the system. |
| 1. The user searches from the ads available. |  |
|  | 1. The products related appear in grid. |
| 1. The actor can then select the product he wants to buy. |  |
|  | 1. A new tab showing product details appear. |
| 1. The actor can then delete the product that the things are a misfit. |  |
|  | 1. System asks for confirmation. |
| 1. User clicks yes. |  |
|  | 1. The user who uploaded the ad is notified. |
|  | 1. The product has successfully been removed. |

**Alternate flow of event:-**

5.1 The product is unavailable, try other one.

9.1 The system is unable to connect to database please try again

12.1 The server is down try again later.

**Post-Condition**:-

The products that are misfits should be available.

**Special Condition:-**

The sellers whose product is removed should be notified.