**Assignment No:2**

**Write a use case specification documents for all the use case on your project.**

**Project Name: - Utility Store**

4.1 **Registration**

4.1.1 Use case Name: - Registration

4.1.2 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.

4.1.3 Actors Involved: - Sellers, Buyer.

4.1.4 Frequency, criticality and priority:-

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

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

4.1.6 Basic Flow Event:-

|  |  |
| --- | --- |
| **Actors** | **System** |
| 1. The actors enter the required details include Name, Age, home address, gender, DOB, email id and unique strong password. |  |
|  | 1. The system validates the data provided by the user. |
|  | 1. The system inserts the user entry into the database. |
|  | 1. The System sends a notification to the user that “Successfully registered”. |

4.1.7 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.

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

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

4.1.8 Post Condition:-

User is redirected to login page.

4.1.9 Special Conditions:-

The system access time should be very less.

**4.2 Sign in:-**

4.2.1 Use case Name: - Sign in

4.2.2 Brief Description: -

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

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

4.2.4 Frequency, criticality and priority:-

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

4.2.5 Pre-Condition:-The user must have signed up in the system and loaded the login page.

4.2.6 Basic Flow Event:-

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. The sellers or buyers logins through the user id and password provided earlier. |  |
|  | 1. System validates the data. |
|  | 1. System authenticates the data with that stored in database. |
|  | 1. The system redirects the users to home page. |
| 1. The user gets access to his home page. |  |

4.2.7 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 “Make sure right you’re ID and Password is correct”.

3.1 The actors get an error “Unable to connect, please try again”.

4.2.8 Post Condition:-

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

4.2.9 Special Conditions:-

The system access time should be very less.

**4.3 Upload Product Ads:-**

4.3.1 Use case Name: - Upload product Ads

4.3.2 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.

4.3.3 Actors Involved: - Sellers.

4.3.4 Frequency, criticality and priority:-

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

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

4.3.6 Basic Flow Event:-

|  |  |
| --- | --- |
| **Actor** | **System** |
| 1. The user selects the submit new ad tab. |  |
|  | 1. Page for submit new ad. |
| 1. User uploads the Image of the product |  |
| 1. Enter the title, category, description, price, years used, phone number. |  |
|  | 1. The System validates the data provided by the user. |
|  | 1. The system creates an entry of the Ad in the database. |
|  | 1. System sends notification “Ad successfully uploaded”. |

4.3.7 Alternate Flow of Event:-

* 1. The actors get error to “Please make sure that the size of the image is less than 2 MB”.
  2. The actors get error “Please enter the data correctly”.
  3. The actors get error to “To fill all the mandatory fields” if all the fields are not filled.

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

6.1 The actor gets error such as “Server Down”.

4.3.8 Post Condition:-

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

4.3.9 Special Conditions:-

The system access time should be very less.

**4.4 Modify Product Ads**

4.4.1 Name: - Modify Product Ad

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

4.4.3 Actors Involved: - Seller

4.4.4 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.

4.4.5 Pre-Condition:-

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

4.4.6 Basic Flow Event:-

|  |  |
| --- | --- |
| Actor | System |
| 1. The user selects the Manage Ad tab. |  |
|  | 1. The tab is loaded on the users device |
| 1. The user selects the Update Ad tab. |  |
|  | 1. The tab is loaded on the user’s device with images of uploaded Ads. |
| 1. The user clicks the ad he wants to update. |  |
|  | 1. Update Ad page appears |
| 1. The user enter the details such as the category, years used, price, images, description. |  |
|  | 1. System validates the data entered by the users. |
|  | 1. System updates the Ads entry stored in database. |
|  | 1. The system sends a notification “Ad successfully updated”. |

4.4.7 Alternate flow of Event:-

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

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

8.3 The actor gets error “Please make sure right data is entered”.

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

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

4.4.8 Post –Condition:-

The modification done to the ad is legitimate.

4.4.9 Special Condition:-

The action should be performed within in 15 minutes.

**4.5 Remove Ads:-**

4.5.1 Name: - Remove Ads.

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

4.5.3 Actors Involved: - Seller

4.5.4 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.

4.5.5 Pre-Condition:-

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

4.5.6 Basic Flow of System:-

|  |  |
| --- | --- |
| Actor | System |
| 1. The user select Manage ad Tab. |  |
|  | 1. The tab is loaded on the user’s device. |
| 1. The user selects the delete ad option. |  |
|  | 1. The tab is loaded with the Ads Image and Short Description and delete button |
| 1. The user click on the delete button. |  |
|  | 1. The system pops a dialog box for confirmation. |
| 1. The user clicks “yes” button. |  |
|  | 1. The system deletes the entry of the Ad from the database. |
|  | 1. The system sends a notification “Ad successfully deleted’. |

4.5.7 Alternate Flow of Events:-

7.1 The actors click “No” then the flow break.

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

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

4.5.8 Post –Condition:-

The actor will not see the delete ad.

4.5.9 Special Condition:-

The action should be performed within in 15 minutes.

**4.6 Add to cart**:-

4.6.1 Name: - Add to cart.

4.6.2 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.

4.6.3 Actors Involved: - buyers.

4.6.4 Frequency, Priority and Criticality:-

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

4.6.5 Pre-Condition:-

The seller must have logged in the system.

4.6.6 Basic Flow of Event:-

|  |  |
| --- | --- |
| Actor | System |
| 1. The buyer searches from the ads available using the search textbox. |  |
|  | 1. Ads related to the search are loaded in grid. |
| 1. Buyer ads the ads he likes by clicking the ad to cart option available on the Ad |  |
|  | 1. Product successfully added to your cart. |

4.6.7 Alternate Flow of Events:-

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

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

4.6.8 Post –Condition:-

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

4.6.9 Special Condition:-

The action should be responsive.

**4.7 Search:-**

4.7.1 Name:-Search.

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

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

4.7.4 Frequency, Priority and Description:-

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

4.7.5 Pre-Condition:-

User should have loaded the home of Utility Store.

4.7.6 Basic Flow of Event:-

|  |  |
| --- | --- |
| Actor | System |
| 1. The buyer searches from the ads available using the search textbox. |  |
|  | 1. System retrieves the Ad related to the search from database. |
|  | 1. System displays the Ads in grid. |

4.7.7 Alternate Flow of Events:-

* 1. The actor gets error “product searched is not available”.
  2. The actor gets error “unable to connect to database”.
  3. The actor gets error “the server is down, please trying again”.

3.1 The system displays nothing.

4.7.8 Post –Condition:-

The product is not available.

4.7.9 Special Condition:-

The action should be responsive.

**4.8 Help:-**

4.8.1 Name:-help

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

4.8.3 Actors Involved: - Sellers, buyers, admin.

4.8.4 Frequency, Priority and Description:-

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

4.8.5 Pre-Condition:-

User should have logged in.

4.8.6 Basic Flow of Event:-

|  |  |
| --- | --- |
| Actor | System |
| 1. The user click on the Help Tab |  |
|  | 1. The page is loaded on the users device with options such as videos and FAQ |
| 1. The user can then select either of it |  |
|  | 1. Respective page appears. |

4.8.7 Alternate Flow of Events:-

* 1. if actor gets videos then:-
     1. The videos page is loaded.
     2. The user can click on the video that he wants to see to understand the working.

3.1.2.1 The user gets an error unable to play the video, please again.

3.2 If the actor selects FAQ:-

3.2.1 The videos FAQ is loaded.

3.2.2 The user can click on the question whose answer he wants to know.

4.8.8 Post –Condition:-

None

4.8.9 Special Condition:-

The most of the FAQ should be answered and response time should be minimum.

**4.9 Payment:-**

4.9.1 Name: -Pay

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

4.9.3 Actors Involved: - Seller and buyer.

4.9.4 Frequency, Priority and Criticality:-

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

4.9.5 Pre-Condition:- The actor should be logged in.

4.9.6 Basic Flow of Event:-

|  |  |
| --- | --- |
| Actor | System |
| 1. The buyer searches from the ads available using the search textbox. |  |
|  | 1. System retrieves the Ad related to the search from database. |
|  | 1. System displays the Ads in grid |
| 1. The actor can then click the product he wants to buy. |  |
|  | 1. A new page showing product details appear. |
| 1. The buyer click on the buy button. |  |
|  | 1. The buyer is redirected to page to confirm mode of payment. |
| 1. The buyer can either book the product 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. The entry regarding the payments details and seller and buyer is stored in database. |
|  | 1. The systems send mail to sender and receiver regarding the product and transaction details. |
|  | 1. The system displays a pop up “Transaction Successfully “. |

4.9.7 Alternate flow of event:-

* 1. The actor gets error “No related product available”.
  2. The actor gets error “Not able to connect to Database”.
  3. The System displays nothing.

6.1 The actor gets an error “The product is currently booked”.

8.1 If actor selects booking

8.1.1 Actor should buy the product within one week.

8.2 If actor selects payments

8.2.1 The actor is redirected to API page.

8.2.2 The actor enters the phone number of the Seller available.

8.2.2.1 The system checks whether seller has payTM account.

8.2.2.2.1 If no then cancel the transaction “Please opt for booking”.

8.2.2.2.2 If yes then validate transaction.

10.1 if No then cancel the transaction, rollback.

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

11.2 The server is down try again later.

12.1 Email notification failed, you will be notified soon.

4.9.8 Post-Condition:-

The product should be delivered within a given period of 1 week.

4.9.9 Special Condition:-

Rollback if the transaction is not completed.

**4.10 Filter:-**

4.10.1 Name: - Filter.

4.10.2 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.

4.10.3 Actor: - Admin.

4.10.4 Frequency, Priority and Criticality:-

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

4.10.5 Pre-Condition:- The actor should be logged in.

4.10.6 Basic Flow of Event:-

|  |  |
| --- | --- |
| Actor | System |
| 1. The buyer searches from the ads available using the search textbox. |  |
|  | 1. System retrieves the Ad related to the search from database. |
|  | 1. System displays the Ads in grid |
| 1. The actor can then select the product he wants to check. |  |
|  | 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 entry of the ad is deleted from the database. |
|  | 1. The user who uploaded the ad is notified. |
|  | 1. The pop up appears “Product successfully removed”. |

4.10.7 Alternate flow of event:-

* 1. The actor gets error “No related product available”.
  2. The actor gets error “Not able to connect to Database”.
  3. The System displays nothing.

8.1 If the admin says no, break the flow.

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

9.2 The server is down try again later.

10.1 Email notification failed, you will be notified soon.

4.10.8 Post-Condition:-

The products that are misfits should be available.

4.10.9 Special Condition:-

The sellers whose product is removed should be notified.

**4.11 Setting:-**

4.11.1 Name:-Setting

4.11.2 Description:-Allows the sellers, buyers, admin to the update his or her profile, password and delete the account if no longer needed.

4.11.3 Actors Involved: - Sellers, buyers, admin all can have access to the setting tab.

4.11.4 Frequency, Priority and Description:-

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

4.11.5 Pre-Condition:-

User must have logged in the system.

4.11.6 Basic Flow of Event:-

|  |  |
| --- | --- |
| Actor | System |
| 1. The user selects the Setting tab. |  |
|  | 1. The tab is loaded on the users device |
| 1. The user selects the one of the three options   1. Update Profile.  2. Update Password.  3. Delete account. |  |
|  | 1. The tab is loaded on the user’s device |
| 1. The user enters the information based on option selected |  |
|  | 1. The system validates the data from users. |
|  | 1. The system updates the database. |
|  | 1. The system displays a pop up “successfully done”. |

4.11.7 Alternate Flow of Events:-

3.1 The user selected the update profile.

4.1 The update profile tab is loaded.

3.2 The user selected the update password.

4.2 The update password tab is loaded.

3.3 The user selected the Delete Account.

4.3 The delete account tab is loaded.

6.1 The system displays an error “Please fill all the fields”.

* 1. The system displays an error “Make sure correct data is entered”.
  2. The actor gets error “unable to connect to database”.

7.2 The actor gets error “the server is down, please trying again”.

8.1 The system displays nothing.

4.11.8 Post –Condition:-

The data provided by user has been successfully stored.

4.11.9 Special Condition:-

The action should be responsive.