USE CASE SPECIFICATIONS:

1. There is no login module  use-case.

2. Ambiguity in  srs documentation as advance search written in document and manage search in use-case diagram.

3. Redundancy in use-case diagram as search places and manage places.

4. Pre-condition in the advance search is not understandable.

5. System/Network failure not handled in any use-cases.

6.In registration use-case no specific fields are described.

7. For use-case no 8 alternate flow: if there is a package available for fix time period and customer want to book it after that then show alternate flow.

8.For use-case no 8 special: packages should be updated when customers select or cancel it (if we have limited seat or facility).

9. There is no display package use-case.

10. There is ambiguity in package content.

Additional functionalities

1.  There should be package cancel use-case.

2. Insurance policy

3. Discount and promo code details( offer for more than one package or share with friends)

4. Refund details

1. Registration
   1. Description- Allows user to register
   2. Actors- Customer
   3. Pre-condition- Visit website home page
   4. Basic Flow

|  |  |  |
| --- | --- | --- |
|  | Actor | System |
| 1 | Clicks on register button |  |
| 2 |  | Generates an input form |
| 3 | Customer inputs data |  |
| 4 |  | System searches for already registered user |
| 5 |  | Registered data is saved in database |
| 6 |  | Displays “User registered successfully” |

* 1. Alternate flow

|  |  |  |
| --- | --- | --- |
|  | Actor | System |
| 3.1 Invalid input data | User inputs invalid data | Displays error message and redirects to 3 |
| 4.1  User already exists |  | Displays already registered user and redirects to login |

* 1. Post conditions- User is redirected to login
  2. Special conditions-

Response time: Should not be more than 10 seconds

* 1. Other Specifications-

Frequency of usage: Moderate

Complexity: Moderate

1. Login
   1. Description- Allows user to login
   2. Actors- Customer
   3. Pre-condition- User must be registered
   4. Basic Flow

|  |  |  |
| --- | --- | --- |
|  | Actor | System |
| 1 | Actor clicks on login button |  |
| 2 |  | System displays Login screen to actor. |
| 3 | Actor enters username and password  and clicks ‘OK’ |  |
| 4 |  | System searches given username in  database and retrieve actor’s password. |
| 5 |  | System compares the password and  authenticates the actor. |
| 6 |  | System displays ‘Login Successful’  message and navigate to actor’s page. |

* 1. Alternate flow

|  |  |  |
| --- | --- | --- |
|  | Actor | System |
| 3.1  Invalid username/ password | Actor enters invalid username or password | System shows error and redirects  to step 3 in the basic flow (Three times  and exits use case) |
| 4.1  Username not available in database. |  | System displays error ‘Invalid  User’, exits use case. |
| 5.1  Invalid Password |  | System displays error ‘Invalid  Password’ and redirect to step 3 and  exits the usecase. |

* 1. Post conditions- User gets logged into the system if the entered credentials were correct
  2. Special conditions-

Response time: Should be less than 3 seconds

Throughput: Concurrent 100 transactions required

* 1. Other Specifications-

Frequency of usage: High

Complexity: Medium

2. SEARCH PLACES

2.1 Use case description

Customer is allowed to search packages by the places of his priority.

All packages involving the placed search will be displayed.

2.2 Actors

Customer

2.3 Pre-conditions

User must be logged in.

2.4 Basic flow of interaction

|  |  |  |
| --- | --- | --- |
| Sr. No | Customer | System |
| 2.4.1 | Customer enters a place of his choice | All packages involving that place, are displayed |

2.5 Alternate or exceptional flow

|  |  |  |
| --- | --- | --- |
| Sr. No | Customer | System |
| 2.5.1 | The place which doesn’t exists is searched | Notification is flashed: No such place found;  Resume at home page |

2.6 Post-conditions

All packages are displayed on the screen.

2.7 Special Conditions

2.8 Other Specifications

2.8.1 Frequency of usage- High

2.8.2 Complexity- Medium (Deep search in all packages even if it includes)

3. ADVANCED SEARCH

3.1 Use case description

The search can be managed by applying filters such as number of days,

price, place priority, start date of the trip.

3.2 Actors

Customer

3.3 Pre-conditions

The user should have not selected and packages and should be under advanced search.

3.4 Basic flow of interaction

|  |  |  |
| --- | --- | --- |
| Sr. No | Customer | System |
| 3.4.1 | Customer customizes the search by modifying the following:   1. Date 2. Price 3. Place 4. Start date of journey | Displays the relevant packages. |

3.5 Alternative or exceptional flow

|  |  |  |
| --- | --- | --- |
| Sr. No | Customer | System |
| 3.5.1 | Invalid date input | Displays error notification |

3.6 Post Conditions

All the relevant and available packages are displayed.

3.7 Special Conditions

3.8 Other Specifications

3.8.1 Frequency of usage- High

3.8.2 Complexity- Medium

4. SELECT PACKAGE

4.1 Use Case description

Allows user to select package and view details of the same.

4.2 Actors

Customer

4.3 Pre-conditions

User must be logged in.

4.4 Basic flow of interaction

|  |  |  |
| --- | --- | --- |
| Sr. No | Customer | System |
| 4.4.1 | Customer selects a package | Displays all available information of package   1. Highlights 2. Dates 3. Enquire |

4.5 Alternate flow

No alternate flow

4.6 Post-Conditions

Relevant package information is displayed.

4.7 Special Conditions

4.8 Other Specifications

4.8.1 Frequency of usage- High

4.8.2 Complexity- Low

5. ADD PACKAGE

5.1 Use Case Description

The company can add new packages to the system

5.2 Actors

Travel Manager

5.3 Pre-conditions

Travel Manager must be authorised

5.4 Basic flow of interaction

|  |  |  |
| --- | --- | --- |
| Sr. No | Travel Manager | System |
| 5.4.1 | Travel Manager selects ‘Add a new package’ | Asks for all the below information of the package   1. Highlights 2. Itinerary 3. Dates 4. Enquire |
| 5.4.2 | Uploads the details of the package asked and confirms addition of new package | Save and adds the package |

5.5 Alternate flow

|  |  |  |
| --- | --- | --- |
| Sr. No | Travel Manager | System |
| 5.5.1 | Add an existing message | Notifies ‘Package already exists’ |

5.6 Post-conditions

Adds the package to packages

5.7 Special Condition

5.8 Other specifications

5.8.1 Frequency of usage- Low

5.8.2 Complexity- Low

6. DELETE PACKAGE

6.1 Use Case Description

Allows to delete packages from the system

6.2 Actors

Travel Manager

6.3 Pre-conditions

Travel Manager must be authorised

6.4 Basic flow of interaction

|  |  |  |
| --- | --- | --- |
| Sr. No | Travel Manager | System |
| 6.4.1 | Clicks on Delete Package | Asks for package ID |
| 6.4.2 | Enters package ID | Checks if Package ID is valid |
| 6.4.3 | Clicks on delete package | Deletes the package from Database |

6.5 Alternate flow

|  |  |  |
| --- | --- | --- |
| Sr. No | Travel Manager | System |
| 6.5.1 | Enters invalid package ID | Displays notification ‘Invalid Package ID’;  Resumes at Home Page |
| 6.5.2 | Package ID entered does not exists | Displays ‘No such package exists’  Resumes at 6.4.1 |

6.6 Post-conditions

Removes package from database and displays home screen

6.7 Special Condition

6.8 Other specifications

6.8.1 Frequency of usage- Low

6.8.2 Complexity – Low

7. UPDATE PACKAGE

7.1 Use Case Description

Allows to edit existing packages on the system

7.2 Actors

Travel Manager

7.3 Pre-conditions

Travel Manager must be authorised and the package must be esisting

7.4 Basic flow of interaction

|  |  |  |
| --- | --- | --- |
| Sr. No | Travel Manager | System |
| 7.4.1 | Selects the package to be edited or updated | Displays all available information of package   1. Highlights 2. Itinerary 3. Dates 4. Enquire |
| 7.4.2 | Clicks on ‘edit’ and uploads new information of the package | Saves the updated information of the package |

7.5 Alternate flow

|  |  |  |
| --- | --- | --- |
| Sr. No | Travel Manager | System |
| 7.5.1 | Travel manager does not alter any changes | Does not make any changes |

7.6 Post-conditions

Updates information in database and resumes at home page

7.7 Special Condition

7.8 Other specifications

Frequency of usage- Low

Complexity- Low

8. BOOK PACKAGE

8.1 Use Case Description

Customer can book package

8.2 Actors

Customer

8.3 Pre-conditions

Customer must have selected a package

8.4 Basic flow of interaction

|  |  |  |
| --- | --- | --- |
| Sr. No | Customer | System |
| 8.4.1 | Customer clicks on ‘Book Package’ | Displays enquiry information and saves the package selected by the user and redirects to payment |

8.5 Alternate flow

No alternate flow

8.6 Post-conditions

Payment information is displayed

8.7 Special Condition

8.8 Other specifications

Frequency of use- Low

Complexity- Low

9. MAKE PAYMENT

9.1 Use Case Description

Customer can make payment for the booked packages

9.2 Actors

Customer

9.3 Pre-conditions

Customer must have booked some package

9.4 Basic flow of interaction

|  |  |  |
| --- | --- | --- |
| Sr. No | Customer | System |
| 9.4.1 | Customer clicks on ‘Make Payment’ | Displays available payment options   1. By credit card 2. By Debit Card 3. By cash |
| 9.4.2 | Customer selects suitable option and makes payment | Receipt generated is mailed to the customer |

9.5 Alternate flow

|  |  |  |
| --- | --- | --- |
| Sr. No | Customer | System |
| 9.5.1 | Payment is not successful | Displays ‘Payment unsuccessful’ notificCation; resume at 9.4.1 |
| 9.5.2 | Books a package but does not make payment | Keep the package pending in booked packages |

9.6 Post-conditions

Displays the receipt or status of payment and reverts to home page

9.7 Special Condition

9.8 Other specifications

Frequency of use- Low

Complexity - High