Use Case Specification

DMT/RM01/TMP

|  |  |
| --- | --- |
| Project Code | PRJ\_  AirlineReservationSystemPortal \_001 |
| Project Name | Airline Reservation System Portal |

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Team 1 |  | 9th June,2018 |
| Reviewed by | Role | Date of Review |
|  | Assistant Manager |  |
| Approved by | Role | Date of Approval |
|  |  |  |
| Circulation List |  | Version Number of the template:1.0 |
| Version Number | 1.0 |  |

<<Customer>> REVIEW HISTORY

<<Customer comments on the Use case along with the signed off is tracked here>>

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| --- | --- | --- | --- | --- | --- | --- |
| Version | <<Version number>> |  |  |  |  |  |
| Date | <<Date of Review>> |  |  |  |  |  |
| Reviewed by | << Reviewer Name>> |  |  |  |  |  |
| Reviewed UI Specification doc | << Whether UI Specification doc is reviewed >> |  |  |  |  |  |
| All Open Queries/issues closed | << Whether all the open queries and issues resolved>> |  |  |  |  |  |
| Agreement on Assumptions | <<Whether all the assumptions have been agreed upon by the customer>> |  |  |  |  |  |
| Sign Off | <<Signature>> |  |  |  |  |  |

Disclaimer:

The scope of the project ‘Airline Reservation System Portal’ is restricted to the contents of this signed off use case.

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1. Use Case Name: check flight occupancy on Airline reservation System portal

Use Case ID: ALRS.Executive.Check\_001

Brief Description:

This Use Case describes the process by which Executive login and check flight occupancy in the AirLine Reservation System Portal

1. Actor(s):

1. Executive

1. Preconditions
2. Executive has entered the valid URL <http://ndafile:8081/AirlineReservationSystem> and directed to home page of AirLine Reservation System Portal
3. Executive has valid Username and the password

1. Flow of Events

4.1 Basic Flow

Name: Login and check occupancy of flights.

1. Executive clicks on Authority Login link on home page of AirLine Reservation System Portal .
2. “Login For Authorities” page is displayed and Exective clicks on Executive option then Enters User name and password and clicks on Login.
3. System validates username and password.
4. On successful login, executive home page is displayed and have two options 1) Occupancy for a given flight for a given period 2) Overall occupancy from all flights flying from particular source to particular destination.
5. When exective clicks on “Occupancy for a given flight for a given period” link “Check Occupancy” page is displayed then executive have two options 1) single date 2) Multiple date.
6. When exective clicks on Single date then executive enters Flight number and date then clicks on search then occupancy of particular filght will get displayed .
7. When exective clicks on Multiple dates then executive enters Flight number, From to To dates then clicks on search then occupancy of particular filght will get displayed.
8. When exective clicks on “ Overall occupancy from all flights flying from particular source to particular destination” link “Check Overall Occupancy” page then enters source, destination and date then clicks on search. Occupancy of all flights will get displayed for particular date.
   1. Alternative Flows

Alternate Flow 1 (executive home page through favorites)

1. Executive clicks on Authority Login link saved in favorites of standard browser and is navigated to “Login For Authorities”page.
2. Exective clicks on Executive option then Enters Username and password and clicks on Login .
3. System validates username and password.
4. On successful login, executive home page is displayed and have two options 1) Occupancy for a given flight for a given period 2) Overall occupancy from all flights flying from particular source to particular destination.
5. When exective clicks on “Occupancy for a given flight for a given period” link “Check Occupancy” page is displayed then executive have two options 1) single date 2) Multiple date.
6. When exective clicks on Single date then executive enters Flight number and date then clicks on search then occupancy of particular filght will get displayed .
7. When exective clicks on Multiple dates then executive enters Flight number, From to To dates then clicks on search then occupancy of particular filght will get displayed .
8. When exective clicks on “ Overall occupancy from all flights flying from particular source to particular destination” link “Check Overall Occupancy” page then enters source, destination and date then clicks on search. Occupancy of all flights will get displayed for particular date.

Exception Flow 1: Unsuccessful login

1. Executive clicks on Authority Login link on home page of AirLine Reservation System Portal.
2. “Login For Authorities” page is displayed and Exective clicks on Executive option then Enters User name and password and clicks on Login .
3. The system validates the username and password combination with the database.
4. If the authentication is unsuccessful, a login failure message is displayed.

Exception Flow 2: Web Server Down

1. executive clicks on the Authority Login link on the AirLine Reservation System Portal home page
2. The system displays an error message regarding web server unavailability problem

Exception Flow 3: Database Connectivity Error

1. Executive clicks on Authority Login link on home page of AirLine Reservation System Portal
2. “Login For Authorities” page is displayed and Exective clicks on Executive option then Enters User name and password and clicks on Login
3. The system validates Username & Password
4. The system displays an error message regarding database connectivity problem.

Exception Flow 4: Network Connectivity Error

1. Executive clicks on Authority Login link on home page of AirLine Reservation System Portal
2. “Login For Authorities” page is displayed and Exective clicks on Executive option then Enters User name and password and clicks on Login
3. The system validates Username & Password
4. The system displays an error message regarding network connectivity problem.
5. Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| Successful executive login in AirLine Reservation System Portal and check Occupancy of flights | Executive will be logged in to the AirLine Reservation System Portal successfully and checks flight occupancy |
| Unsuccessful login | The system should display an error message for incorrect credentials |
| Web Server Down | The system should display an error message to the executive regarding web server unavailability problem |
| Database Connectivity Error | The system should display an error message to the executive regarding the database connectivity problem |
| Network Connectivity Error | The system should display an error message to the executive regarding the network connectivity problem |

1. Special Requirements

Performance

1.Application responds within 6 sec. for all the request by the user.

Availability

* 1. Application is up and running 24\*7

User Interface

* 1. The letters on Menus shall be bold
  2. The active links shoul be displayed in red color
  3. The visisted links should be displayed in purpule color
  4. The Unvisited links should be displayed in blue
  5. The logout and back button should be available on every page of the application
  6. Look and feel and color of application should be proper.
  7. In case of Field level validation error messages should be displayed in red color.

Security

1. The system shall display the letters of Password in a masked format when they are entered by the customer.
2. Executive login should have executive rights

1. Extension Points

Extension in Alternate Flow 1:

In step 2, if the Executive has entered wrong credentials :

1. The system prompts the executive to re-enter the credentials

2. Executive enters the username and password

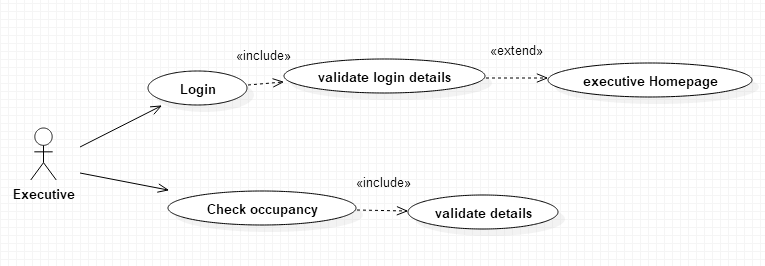
3. The system takes user to the Step 4 of Basic Flow

1. Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
| BR01 | Executive must be valid | executive is prompted to re-enterr the login credentials |
| BR02 | Execeutive should be able to check flight occupancy | Displayes error message “cannot view flight occupancy” |

1. Diagrams

Use Case Diagram for executive



1. Scenarios

Success Scenarios

1. Successful Executive login
2. Successful checking occupancy of flights

Failure Scenarios

1. Unsuccessful Login
2. Web Server Down
3. Database Connectivity Error
4. Network Connectivity Error
5. Unable to check flight occupancy

1. Issues
2. What is the maximum size of username and password that a user can have ?
3. UI Specifications

<http://ndafile:8081/AirlineReservationSystem>

1. Inter System Dependencies
2. Integration with an already existing System of the <<Customer>><<Not Applicable>>
3. Assumptions
4. Application is valid and up running
5. Application is launcing in all the browser
6. Executive should have valid username and password

REVISION HISTORY OF THE WORK PRODUCT

<to be maintained by projects>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| # | Date | Version # | Section Changed | Details of changes made | Approved By |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |