Use Case Specification

DMT/RM01/TMP

|  |  |
| --- | --- |
| Project Code | PROFILE\_01 |
| Project Name | MY\_PROFILE |

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| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Dinesh kumar | Associate | 7/11/2018 |
| Reviewed by | Role | Date of Review |
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| Approved by | Role | Date of Approval |
|  |  |  |
| Circulation List |  | Version Number of the template:1.1 |
| Version Number | 1.1 | 1.1 |

<<Customer>> REVIEW HISTORY

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

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| --- | --- | --- | --- | --- | --- | --- |
| Version | 1.1 |  |  |  |  |  |
| Date |  |  |  |  |  |  |
| Reviewed by |  |  |  |  |  |  |
| Reviewed UI Specification doc |  |  |  |  |  |  |
| All Open Queries/issues closed |  |  |  |  |  |  |
| Agreement on Assumptions |  |  |  |  |  |  |
| Sign Off |  |  |  |  |  |  |

Disclaimer:

The scope of the project ‘Banking Exam Portal’ is restricted to the contents of this signed off use case.

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1. Use Case Name: Booking flight ticket

**Use Case ID:**  Executive\_001

Brief Description: This Use Case describes the process by which the user can login and update their profile. User should be able to view the reservation details, update and cancel the booking.

1. Actor(s)

1.User

2.Executive

3. Airline Reservation System

1. Preconditions

* User should have full access to the website, Airline Reservation System.

1. Flow of Events

4.1 Basic Flow for ticket booking

**Name:** User has access to website and is able to Book Tickets.

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**View Flights”.**
3. User has to select appropriate **Flight** and click on **Book** Link.
4. User has to enter Number of Passengers.
5. User has to select class.
6. User has to click on submit button and get redirected to confirmation page.
7. User has to click on Confirm button and get redirected to Booking Information page.
8. User has to enter name.
9. User has to enter Email Id.
10. Flight Number should be autofilled.
11. No of Travellers should be autofilled.
12. User has to click on Make Reservation button to move ahead to Payment Page.
13. User has to select mode of the payment.
14. User has to enter the Card Details.
15. User has to click on Make Payment.
16. The system generates a unique Ticket ID associated with the booking details.

Alternative Flows

Alternate Flow 1 (USER SELECTS THE WEBSITE THROUGH BOOKMARK)

1. User has select the website through the book mark which user saved.
2. User has to select ‘**View Flights”.**
3. User has to select appropriate **Flight** and click on **Book** Link.
4. User has to enter Number of Passengers.
5. User has to select class.
6. User has to click on submit button and get redirected to confirmation page.
7. User has to click on Confirm button and get redirected to Booking Information page.
8. User has to enter name.
9. User has to enter Email Id.
10. Flight Number should be autofilled.
11. No of Travellers should be autofilled.
12. User has to click on Make Reservation button to move ahead to Payment Page.
13. User has to select mode of the payment.
14. User has to enter the Card Details.
15. User has to click on Make Payment.
16. The system generates a unique Ticket ID associated with the booking details.

Alternate Flow 2 (USER SELECTS THE book flight page in the home page)

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**Book Flight”.**
3. User has to select appropriate **Source** in the “From” select box.
4. User has to select appropriate **Destination** in the “To” select box.
5. User has to select appropriate **Date of Departure**.
6. User has to enter Number of Travellers.
7. User has to select class.
8. User has to click on search button and get redirected to confirmation page.
9. User has to click on Confirm button and get redirected to Booking Information page.
10. User has to enter name.
11. User has to enter Email Id.
12. Flight Number should be autofilled.
13. No of Travellers should be autofilled.
14. User has to click on Make Reservation button to move ahead to Payment Page.
15. User has to select mode of the payment.
16. User has to enter the Card Details.
17. User has to click on Make Payment.
18. The system generates a unique Ticket ID associated with the booking details.

Alternate Flow 3 (user selects the change booking details)

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**Book Flight”.**
3. User has to select appropriate **Source** in the “From” select box.
4. User has to select appropriate **Destination** in the “To” select box.
5. User has to select appropriate **Date of Departure**.
6. User has to enter Number of Travellers.
7. User has to select class.
8. User has to click on search button and get redirected to confirmation page.
9. User has to click on Confirm button and get redirected to Booking Information page.
10. User has to enter name.
11. User has to enter Email Id.
12. Flight Number should be autofilled.
13. No of Travellers should be autofilled.
14. User has to click on Make Reservation button to move ahead to Payment Page.
15. User has to click Change Booking.
16. User must be redirected to View Flights page.
17. User must follow all necessary steps once again.
18. User has to click on Make Payment.
19. The system generates a unique Ticket ID associated with the booking details.

Exception Flow 1: user exceeds number of travellers

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**Book Flight”.**
3. User has to select appropriate **Source** in the “From” select box.
4. User has to select appropriate **Destination** in the “To” select box.
5. User has to select appropriate **Date of Departure**.
6. User has to enter more than the maximum limit of Number of Travellers.
7. Proper error message must be displayed.

Exception Flow 2: the search button does not redirect to the next page

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**Book Flight”.**
3. User has to select appropriate **Source** in the “From” select box.
4. User has to select appropriate **Destination** in the “To” select box.
5. User has to select appropriate **Date of Departure**.
6. User has to enter Number of Travellers.
7. User has to select class.
8. User has to click on search button and get redirected to confirmation page.
9. Proper error message should be displayed & user is appropriately guided to do the necessary.

Exception Flow 3: user email id fails validation

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**Book Flight”.**
3. User has to select appropriate **Source** in the “From” select box.
4. User has to select appropriate **Destination** in the “To” select box.
5. User has to select appropriate **Date of Departure**.
6. User has to enter Number of Travellers.
7. User has to select class.
8. User has to click on search button and get redirected to confirmation page.
9. User has to click on Confirm button and get redirected to Booking Information page.
10. User has to enter name.
11. User has to enter Email Id.
12. Proper error message should be displayed.

Exception Flow 4: Filght details do not get autofilled.

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**Book Flight”.**
3. User has to select appropriate **Source** in the “From” select box.
4. User has to select appropriate **Destination** in the “To” select box.
5. User has to select appropriate **Date of Departure**.
6. User has to enter Number of Travellers.
7. User has to select class.
8. User has to click on search button and get redirected to confirmation page.
9. User has to click on Confirm button and get redirected to Booking Information page.
10. User has to enter name.
11. User has to enter Email Id.
12. Neither flight number nor number of travelers get autofilled.
13. Proper error message should be displayed.

Exception Flow 5: the make reservation button does not redirect to the next page

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**Book Flight”.**
3. User has to select appropriate **Source** in the “From” select box.
4. User has to select appropriate **Destination** in the “To” select box.
5. User has to select appropriate **Date of Departure**.
6. User has to enter Number of Travellers.
7. User has to select class.
8. User has to click on search button and get redirected to confirmation page.
9. User has to click on Confirm button and get redirected to Booking Information page.
10. User has to enter name.
11. User has to enter Email Id.
12. Flight Number should be autofilled.
13. No of Travellers should be autofilled.
14. User has to click on Make Reservation button to move ahead to Payment Page.
15. Proper error message should be displayed & user is appropriately guided to do the necessary.

Exception Flow 6: change booking button does not respond.

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**Book Flight”.**
3. User has to select appropriate **Source** in the “From” select box.
4. User has to select appropriate **Destination** in the “To” select box.
5. User has to select appropriate **Date of Departure**.
6. User has to enter Number of Travellers.
7. User has to select class.
8. User has to click on search button and get redirected to confirmation page.
9. User has to click on Confirm button and get redirected to Booking Information page.
10. User has to enter name.
11. User has to enter Email Id.
12. Flight Number should be autofilled.
13. No of Travellers should be autofilled.
14. User has to click on Make Reservation button to move ahead to Payment Page.
15. User has to click Change Booking.
16. Proper error message should be displayed & user is appropriately guided to do the necessary.

Exception Flow 6: user card details fail validation

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**View Flights”.**
3. User has to select appropriate **Flight** and click on **Book** Link.
4. User has to enter Number of Passengers.
5. User has to select class.
6. User has to click on submit button and get redirected to confirmation page.
7. User has to click on Confirm button and get redirected to Booking Information page.
8. User has to enter name.
9. User has to enter Email Id.
10. Flight Number should be autofilled.
11. No of Travellers should be autofilled.
12. User has to click on Make Reservation button to move ahead to Payment Page.
13. User has to select mode of the payment.
14. User has to enter the Card Details.
15. Proper error message must be displayed on failing card details validation.
16. User must be guided accordingly to do the necessary.

Exception Flow 7: the make payment button does not redirect to the next page

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**View Flights”.**
3. User has to select appropriate **Flight** and click on **Book** Link.
4. User has to enter Number of Passengers.
5. User has to select class.
6. User has to click on submit button and get redirected to confirmation page.
7. User has to click on Confirm button and get redirected to Booking Information page.
8. User has to enter name.
9. User has to enter Email Id.
10. Flight Number should be autofilled.
11. No of Travellers should be autofilled.
12. User has to click on Make Reservation button to move ahead to Payment Page.
13. User has to select mode of the payment.
14. User has to enter the Card Details.
15. User has to click on Make Payment.
16. Payment must not be accepted and proper error message should be displayed.

Exception Flow 8: system does not generate unique ticket id

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**View Flights”.**
3. User has to select appropriate **Flight** and click on **Book** Link.
4. User has to enter Number of Passengers.
5. User has to select class.
6. User has to click on submit button and get redirected to confirmation page.
7. User has to click on Confirm button and get redirected to Booking Information page.
8. User has to enter name.
9. User has to enter Email Id.
10. Flight Number should be autofilled.
11. No of Travellers should be autofilled.
12. User has to click on Make Reservation button to move ahead to Payment Page.
13. User has to select mode of the payment.
14. User has to enter the Card Details.
15. User has to click on Make Payment.
16. Proper error message should be displayed if Ticket ID is not produced.

Exception Flow 9: Database Connectivity

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**View Flights”.**
3. User has to select appropriate **Flight** and click on **Book** Link.
4. User clicks on the Book button and faces error connecting to database.
5. Proper error message must be displayed.

Exception Flow 10: Network Failure

1. User visits <http://ndafile:8081/AirlineReservationSystem/> website through internet.
2. User has to select ‘**View Flights”.**
3. User faces network failure error.
4. Proper error message must be displayed.
5. Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| User selects the Book Flight by entering the valid URL. | Flight details displayed successfully |
| User selects the Book Flight in the Home page. | Flight booking details displayed successfully |
| User selects the Book Flight through the Bookmark. | Web site displayed successfully. |

1. Special Requirements
2. Performance

* On entering the website URL , users shall have greater than 50Kbps connection speed.
* Application should responce within 6 sec. for all the request by the user.

1. Availability

* Application should be available for 24\*7 to User.

1. Security

* On .Login page in eClassroom website portal checks for valid user name and password to enter into the home page.
* users cannot directly access any web page of the application by simply entering the URL of that page on the address bar of the browser.

User Interface

* 1. The letters on Menus shall be bold.
  2. The logout and back button should be available on the application
  3. Look and feel and color of application should be proper.
  4. In case of Field level validation error messages should be displayed in red color.

1. Extension Points

Extension in Exception Flow 1: : Unsuccessful login due to wrong username and password

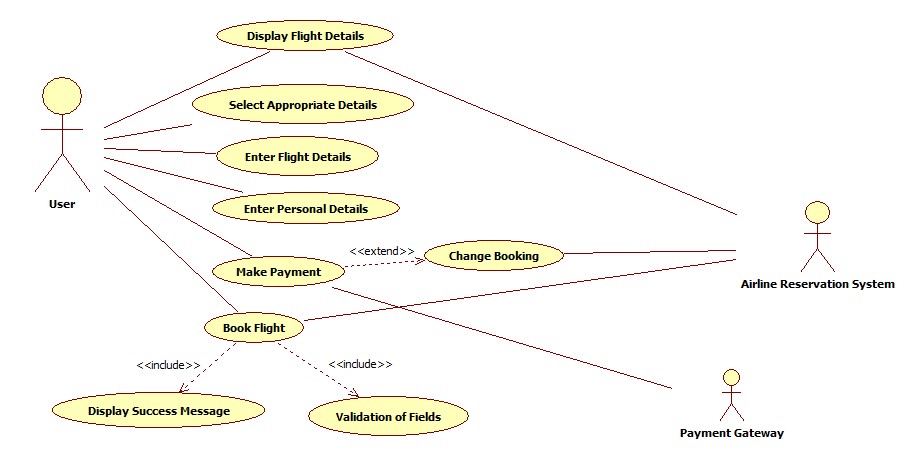
* If the user has entered wrong user name and password :
* The system automatically clears the use rname and passwrod field.
* System ask user to re-enter the user name and password

< Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |

1. Diagrams

Use Case Diagram



Success Scenarios

* User Successfully enters details and book flight.
* User selects the website through bookmark
* User selects the login and password through saved cache

Failure Scenarios

* Database Connectivity
* Network failure

1. Issues

* What if the HTTP session not created.
* What if the user is able to access the page of the application by simply entering the URL of that

1. Page on the address bar of the browser.
2. UI Specifications

http://eclassroom.vcclasses.com

1. Inter System Dependencies
2. Assumptions

* Application is valid and up running
* Application is launcing in all the browser
* Administrator should have valid username and password
* Administrator should have right to add exam

REVISION HISTORY OF THE WORK PRODUCT

<to be maintained by projects>

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