Use Case Specification

DMT/RM01/TMP

|  |  |  |
| --- | --- | --- |
| Project Code | PRJ\_HotelBookingManagementSystem\_001 |  |
| Project Name | Hotel Booking Management System |  |

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Batch-1 | Test Engineer | 6th February,2017 |
| Reviewed by | Role | Date of Review |
| Batch-2 | Test Engineer | 9th February,2017 |
| Approved by | Role | Date of Approval |
| Shubhangi Barati | Senior Consultatnt | 20th Feb 2017 |
| Circulation List |  | Version Number of the template:1.1 |
| Version Number | <version No > | V\_1.0 |

<<Customer>> REVIEW HISTORY

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Version | 1.1 |  |  |  |  |  |
| Date | 09/02/2017 |  |  |  |  |  |
| Reviewed by | Batch2 |  |  |  |  |  |
| Reviewed UI Specification doc | Yes |  |  |  |  |  |
| All Open Queries/issues closed | Yes |  |  |  |  |  |
| Agreement on Assumptions | Agreed |  |  |  |  |  |
| Sign Off | <<Signature>> |  |  |  |  |  |

Disclaimer:

The scope of the project ‘<<Project Name>>’ is restricted to the contents of this signed off use case.

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Use Case Name: Functionalities Of Admin

**Use Case ID:**  uc.admin.hrb\_001.

**Brief Description:** This Use Case describes the process by which the Admin across the globe can login to the hotel booking management system portal. The admin needs to login with the valid credentials given to him only then the Admin Homepage is loaded and then Admin can Add ,Delete or Update the Hotel details and can book the rooms with flight’s,cab also in a single click.

This use case describes the Admin functionalities in the HBMS portal..

Actor

Admin

Preconditions

1. Admin must have an access to the website.
2. Admin must have the valid credentials.
3. Add Hotel with Flight.
4. Add Hotel with Cab.
5. Add Hotel with Flight and Cab.
6. Delete Hotel.
7. Update Hotel.

Flow of Events

4.1 Basic Flow: Successful Adding of New Hotel Details

4.1.1. ADD HOTEL BOOKING FORM

1. Open the browser.
2. Enter the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link.
4. Enter the Admin User name and Password.
5. Click on login button.
6. Click on ‘Add Hotel’ button.
7. Enter valid Hotel city.
8. Enter valid Hotel name.
9. Enter valid address.
10. Enter valid description.
11. Enter valid fare per night.
12. Enter valid phone number1.
13. Enter valid phone number2.
14. Select valid rating.
15. Enter valid email id.
16. Enter valid fax.
17. Click on ‘Add Hotel’ Button.
18. The system validates the details.
19. The system successfully adds the new hotel details.

4.1.2. ADD HOTEL BOOKING WITH FLIGHT FORM

1. Open the browser.
2. Enter the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link.
4. Enter the Admin User name and Password.
5. Click on login button.
6. Click on ‘Add Hotel’ button.
7. Enter valid Hotel city.
8. Enter valid Hotel name.
9. Enter valid address.
10. Enter valid description.
11. Enter valid fare per night.
12. Enter valid phone number1.
13. Enter valid phone number2.
14. Select valid rating.
15. Enter valid email id.
16. Enter valid fax.
17. Click on ‘Add Hotel’ Button.
18. The system validates the details.
19. The system successfully adds the new hotel details

4.1.3. ADD HOTEL BOOKING WITH CAB FORM

1. Open the browser.
2. Enter the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link.
4. Enter the Admin User name and Password.
5. Click on login button.
6. Click on ‘Add Hotel’ button.
7. Enter valid Hotel city.
8. Enter valid Hotel name.
9. Enter valid address.
10. Enter valid description.
11. Enter valid fare per night.
12. Enter valid phone number1.
13. Enter valid phone number2.
14. Select valid rating.
15. Enter valid email id.
16. Enter valid fax.
17. Click on ‘Add Hotel’ Button.
18. The system validates the details.
19. The system successfully adds the new hotel details
    1. Alternative Flows

Alternative Flow 1:

1. Admin is directly navigated to the login page [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
2. Enter the Admin User name and Password.
3. Click on ‘Add Hotel’ button.
4. Enter valid Hotel city.
5. Enter valid Hotel name.
6. Enter valid address.
7. Enter valid description.
8. Enter valid fare per night.
9. Enter valid phone number1.
10. Enter valid phone number2.
11. Select valid rating.
12. Enter valid email id.
13. Enter valid fax.
14. Click on ‘Add Hotel’ Button.
15. The system validates the details.
16. The system successfully adds the new hotel details.

Alternate Flow 2:

1. Admin directly enters URL for Add Hotel Details as he is already loggedin.
2. Click on ‘Add Hotel’ button.
3. Enter valid Hotel city.
4. Enter valid Hotel name.
5. Enter valid address.
6. Enter valid description.
7. Enter valid fare per night.
8. Enter valid phone number1.
9. Enter valid phone number2.
10. Select valid rating.
11. Enter valid email id.
12. Enter valid fax.
13. Click on ‘Add Hotel’ Button.
14. The system validates the details.
15. The system successfully adds the new hotel details.
16. Click on ‘Add Hotel’ Button.
17. The system validates the details.
18. The system successfully adds the new hotel details.

Alternate Flow 3:

1. Admin directly enters URL for Add Hotel with flight Details as he is already loggedin.
2. Click on ‘Add Hotel’ button.
3. Enter valid Hotel city.
4. Enter valid Hotel name.
5. Enter valid address.
6. Enter valid description.
7. Enter valid fare per night.
8. Enter valid phone number1.
9. Enter valid phone number2.
10. Select valid rating.
11. Enter valid email id.
12. Enter valid fax.
13. Click on ‘Add Hotel’ Button.
14. The system validates the details.
15. The system successfully adds the new hotel details.
16. Click on ‘Add Hotel’ Button.
17. The system validates the details.
18. The system successfully adds the new hotel details.

Alternate Flow 4:

1. Admin directly enters URL for Add Hotel with cab Details as he is already loggedin.
2. Click on ‘Add Hotel’ button.
3. Enter valid Hotel city.
4. Enter valid Hotel name.
5. Enter valid address.
6. Enter valid description.
7. Enter valid fare per night.
8. Enter valid phone number1.
9. Enter valid phone number2.
10. Select valid rating.
11. Enter valid email id.
12. Enter valid fax.
13. Click on ‘Add Hotel’ Button.
14. The system validates the details.
15. The system successfully adds the new hotel details.
16. Click on ‘Add Hotel’ Button.
17. The system validates the details.
18. The system successfully adds the new hotel details.

Exception Flow 1: Invalid login Credentials

1. Open the browser.
2. Enter the URL[https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)Click on login link.
3. Enter the Username.
4. Enter the Password.
5. Click on login button.
6. The system fails to validate the user login credential.
7. Then the User receives a login failure message.

EXCEPTION FLOW 2: Admin Enters the invalid Hotel City

1. Open the browser.
2. Enter the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link
4. Enter the Username.
5. Enter the Password.
6. Click on login link.
7. Click on ‘Add Hotel’ link.
8. Enter invalid ‘Hotel City’ as null/numbers/special characters.
9. Enter ‘Hotel Name’.
10. Enter ‘Hotel Address’.
11. Enter ‘Description’.
12. Enter ‘Average Fare Per Night’.
13. Enter ‘Phone Number1’.
14. Enter ‘Phone Number2’.
15. Select ‘Rating’.
16. Enter ‘Email’.
17. Enter ‘Fax’.
18. Click on ‘Add Hotel’ link.
19. The system fails to validate the details and displays the appropriate error message.

EXCEPTION FLOW 3: Admin Enters the invalid Hotel Name

1. Open the browser.
2. Enter the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link
4. Enter the Username.
5. Enter the Password.
6. Click on login link.
7. Click on ‘Add Hotel’ link.
8. Enter invalid ‘Hotel City’
9. Enter ‘Hotel Name’ as null/numbers/special characters.
10. Enter ‘Hotel Address’.
11. Enter ‘Description’.
12. Enter ‘Average Fare Per Night’.
13. Enter ‘Phone Number1’.
14. Enter ‘Phone Number2’.
15. Select ‘Rating’.
16. Enter ‘Email’.
17. Enter ‘Fax’.
18. Click on ‘Add Hotel’ link.
19. The system fails to validate the details and displays the appropriate error message.

EXCEPTION FLOW 4: Admin Enters the invalid Hotel Address

1. Open the browser.
2. Enter the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link
4. Enter the Username.
5. Enter the Password.
6. Click on login link.
7. Click on ‘Add Hotel’ link.
8. Enter invalid ‘Hotel City’
9. Enter ‘Hotel Name’
10. Enter ‘Hotel Address’ as null/more than 25 characters.
11. Enter ‘Description’.
12. Enter ‘Average Fare Per Night’.
13. Enter ‘Phone Number1’.
14. Enter ‘Phone Number2’.
15. Select ‘Rating’.
16. Enter ‘Email’.
17. Enter ‘Fax’.
18. Click on ‘Add Hotel’ link.
19. The system fails to validate the details and displays the appropriate error message.

EXCEPTION FLOW 5: Admin Enters the invalid Hotel Description

1. Open the browser.
2. Enter the URL[https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link
4. Enter the Username.
5. Enter the Password.
6. Click on login link.
7. Click on ‘Add Hotel’ link.
8. Enter invalid ‘Hotel City’
9. Enter ‘Hotel Name’
10. Enter ‘Hotel Address’.
11. Enter ‘Description’ as null/more than 50 characters.
12. Enter ‘Average Fare Per Night’.
13. Enter ‘Phone Number1’.
14. Enter ‘Phone Number2’.
15. Select ‘Rating’.
16. Enter ‘Email’.
17. Enter ‘Fax’.
18. Click on ‘Add Hotel’ link.
19. The system fails to validate the details and displays the appropriate error message.

EXCEPTION FLOW 6: Admin Enters the invalid Average Per Night

1. Open the browser.
2. Enter the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link
4. Enter the Username.
5. Enter the Password.
6. Click on login link.
7. Click on ‘Add Hotel’ link.
8. Enter invalid ‘Hotel City’
9. Enter ‘Hotel Name’ .
10. Enter ‘Hotel Address’.
11. Enter ‘Description’.
12. Enter ‘Average Fare Per Night’ as null.
13. Enter ‘Phone Number1’.
14. Enter ‘Phone Number2’.
15. Select ‘Rating’.
16. Enter ‘Email’.
17. Enter ‘Fax’.
18. Click on ‘Add Hotel’ link.
19. The system fails to validate the details and displays the appropriate error message.

EXCEPTION FLOW 7: Admin Enters the invalid Phone Number1

1. Open the browser.
2. Enter the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link
4. Enter the Username.
5. Enter the Password.
6. Click on login link.
7. Click on ‘Add Hotel’ link.
8. Enter invalid ‘Hotel City’
9. Enter ‘Hotel Name’.
10. Enter ‘Hotel Address’.
11. Enter ‘Description’.
12. Enter ‘Average Fare Per Night’.
13. Enter ‘Phone Number1’ as null/more than 10 digits.
14. Enter ‘Phone Number2’.
15. Select ‘Rating’.
16. Enter ‘Email’.
17. Enter ‘Fax’.
18. Click on ‘Add Hotel’ link.
19. The system fails to validate the details and displays the appropriate error message.

EXCEPTION FLOW 8: Admin Enters the invalid Phone Number2

1. Open the browser.
2. Enter the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link
4. Enter the Username.
5. Enter the Password.
6. Click on login link.
7. Click on ‘Add Hotel’ link.
8. Enter invalid ‘Hotel City’
9. Enter ‘Hotel Name’.
10. Enter ‘Hotel Address’.
11. Enter ‘Description’.
12. Enter ‘Average Fare Per Night’.
13. Enter ‘Phone Number1’.
14. Enter ‘Phone Number2’ as null/more than 10 digits.
15. Select ‘Rating’.
16. Enter ‘Email’.
17. Enter ‘Fax’.
18. Click on ‘Add Hotel’ link.
19. The system fails to validate the details and displays the appropriate error message.

EXCEPTION FLOW 9: Admin Selects the invalid Rating

1. Open the browser.
2. Enter the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link
4. Enter the Username.
5. Enter the Password.
6. Click on login link.
7. Click on ‘Add Hotel’ link.
8. Enter invalid ‘Hotel City’
9. Enter ‘Hotel Name’.
10. Enter ‘Hotel Address’.
11. Enter ‘Description’.
12. Enter ‘Average Fare Per Night’.
13. Enter ‘Phone Number1’.
14. Enter ‘Phone Number2’.
15. Select ‘Rating’ as null/more than 5.
16. Enter ‘Email’.
17. Enter ‘Fax’.
18. Click on ‘Add Hotel’ link.
19. The system fails to validate the details and displays the appropriate error message.

EXCEPTION FLOW 10: Admin Enters invalid Email ID

1. Open the browser.
2. Enter the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link
4. Enter the Username.
5. Enter the Password.
6. Click on login link.
7. Click on ‘Add Hotel’ link.
8. Enter invalid ‘Hotel City’
9. Enter ‘Hotel Name’.
10. Enter ‘Hotel Address’.
11. Enter ‘Description’.
12. Enter ‘Average Fare Per Night’.
13. Enter ‘Phone Number1’.
14. Enter ‘Phone Number2’.
15. Select ‘Rating’.
16. Enter ‘Email’ as null/invalid format.
17. Enter ‘Fax’.
18. Click on ‘Add Hotel’ link.
19. The system fails to validate the details and displays the appropriate error message.

EXCEPTION FLOW 11: Admin Enters invalid Fax

1. Open the browser.
2. Enter the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link
4. Enter the Username.
5. Enter the Password.
6. Click on login link.
7. Click on ‘Add Hotel’ link.
8. Enter invalid ‘Hotel City’
9. Enter ‘Hotel Name’.
10. Enter ‘Hotel Address’.
11. Enter ‘Description’.
12. Enter ‘Average Fare Per Night’.
13. Enter ‘Phone Number1’.
14. Enter ‘Phone Number2’.
15. Select ‘Rating’.
16. Enter ‘Email’.
17. Enter ‘Fax’ as null/moe than 10 digits.
18. Click on ‘Add Hotel’ link.
19. The system fails to validate the details and displays the appropriate error message.

Exception Flow 12: Network Failure

1. Admin visits the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)using any standard browser.

2. The system displays error message regaring network failure.

Exception Flow 13: Database Connectivity

1. Admin visits the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)using any standard browser.
2. Homepage of the website will be displayed.
3. The credentials provided by the admin is matched with the credentials’ in the database.
4. If the database connection is not proper then the entered credentials cannot be validated.
5. Then the admin receives a login failure message.

Post Conditions

| Flow Name | Post Condition |
| --- | --- |
| Successful Adding of New Hotel Details | The system successfully adds new hotel details. |
| Succcessful Updation of Hotel Details | The system successfully updates the hotel details. |
| Succcessful Deletion of Hotel Details | The system successfully deletes the hotel details. |
| Invalid login Credentials | The system fails to validate the details and abort admin from getting logged in to the application. |
| Admin enters the invalid Hotel City | The system fails to validate the details and alert the admin with the error message. |
| Admin Enters the invalid Hotel Name | The system fails to validate the details and alert the admin with the error message. |
| Admin Enters the invalid Hotel Address | The system fails to validate the details and alert the admin with the error message. |
| Admin Enters the invalid Hotel Description | The system fails to validate the details and alert the admin with the error message. |
| Admin Enters the invalid Average Per Night | The system fails to validate the details and alert the admin with the error message. |
| Admin Enters the invalid Phone Number1 | The system fails to validate the details and alert the admin with the error message. |
| Admin Enters the invalid Phone Number2 | The system fails to validate the details and alert the admin with the error message. |
| Admin Selects the invalid Rating | The system fails to validate the details and alert the admin with the error message. |
| Admin Enters invalid Email ID | The system fails to validate the details and alert the admin with the error message. |
| Admin Enters invalid Fax | The system fails to validate the details and alert the admin with the error message. |
| Network Failure | The user should display error message for Network failure |
| Database Connectivity | The user should display error message for Database connectivity |

Special Requirements

Performance

1. Admin should have good connection speed of 50kbps minimum.

Availability

1. Application should be available 24\*7 to Admin.

Security

1. On each page in the Hotel Booking Management System, application checks for a valid admin login by checking the value of a session variable.

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 purple color
  4. The Unvisited links should be displayed in blue color
  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.

Extension Points

* Extension in Alternate Flow 1:

1. Open the browser.
2. Enter the URL [https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link.
4. Enter the Admin User name and Password.
5. Click on login button.
6. Click on ‘Update Hotel’ button.
7. Enter all the fields with valid credentials.
8. Click on ‘Update Hotel’ Button.
9. The system validates the details.
10. The system successfully updates the hotel details.

* Extension in Alternate Flow 2:

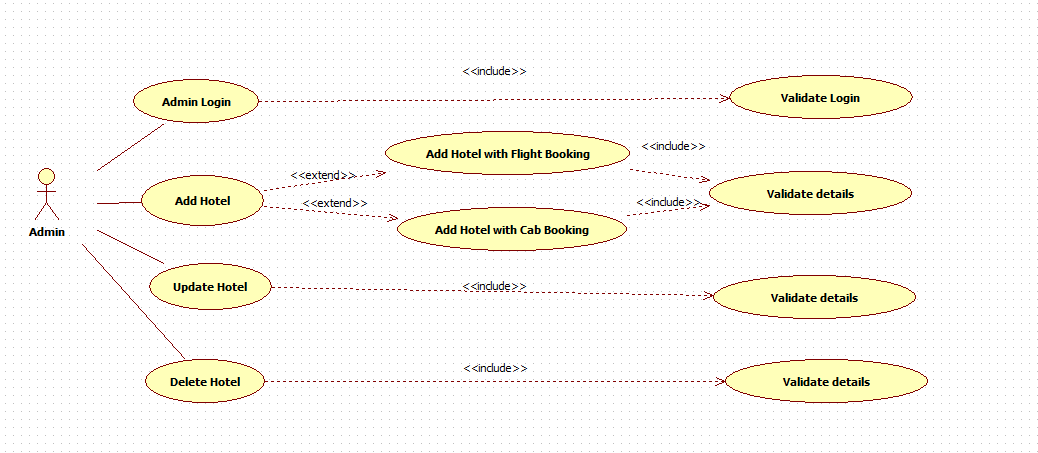
1. Open the browser.
2. Enter the URL[https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)
3. Click on login link.
4. Enter the Admin User name and Password.
5. Click on login button.
6. Click on ‘Delete Hotel’ button.
7. The system deletes the corresponding hotel details.

Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
| BR\_AD\_01 | Admin should be valid | User got popup to reenter the credentials. |
| BR\_AD\_02 | Admin should be able to add details. | Display notification message “ Unable to add hotel details” |
| BR\_AD\_03 | Admin should be able to update details | Display notification message “Unable to update hotel details” |
| BR\_AD\_04 | Admin should be able to delete details. | Display notification message “Unable to deletehotel details” |

Diagrams

Use Case Diagram



Scenarios

Success Scenarios

* Successful Admin login
* Successful Adding hotel in the portal
* Successful updating hotel in the portal
* Successful deletion hotel in the portal
* Successfu creation of HTTP session

Failure Scenarios

* Admin login authentication fails
* HTTP session not created
* Admin not able to Add or update or delete the hotel in portal.

Issues

1. 1. What if the HTTP session not created.
2. What if the admin is able to access the page of the application by simply entering the URL of that page on the address bar of the browser even after logout .
3. What if the admin is not able to open the Login page.
4. What if the admin not able to add , Update or Delete Hotel.

UI Specifications

[https://duniyaghumao.com](http://ndafile:8081/Spring_Hotel/.html)

Inter System Dependencies

**Module:** Hotel Employee,Customer

**Use case name**: Functionalities of Hotel Employee/Customer

**Impact**: If Admin has not added or updated hotel details the Hotel Employee/Customer will not be able to see the details.

Assumptions

* Application is valid and up running
* Application is launcing in all the browsers
* Admin 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 |  |  |  |  |  |