Use Case Specification

DMT/RM01/TMP

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

|  |  |  |
| --- | --- | --- |
| Prepared/Modified by | Role | Date of Preparation |
| Batch2 | Test Engineer | 08/012018 |
| Reviewed by | Role | Date of Review |
| Batch 3 | Test Engineer | 11/01/2018 |
| Approved by | Role | Date of Approval |
| Shubhangi Bharti | Senior Consultatnt | 15/01/2018 |
| Circulation List |  | Version Number of the template:1.1 |
| Version Number | 1.1 |  |

<<Customer>> REVIEW HISTORY

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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 ‘Hotel Booking Management System’ is restricted to the contents of this signed off use case.

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1. Use Case Name: Online hotel booking

Use Case ID: HRB.CUSTOMER.HOTELROOMBOOKING\_001

Brief Description: The use case describes the process by which customer or employee can search for hotel rooms and book it.

1. Actor(s)

Customer

1. Preconditions
2. Customer registers the details with the hotel booking website.
3. Customer has valid user credentials.
4. Customer has already logged into the hotel booking website.
5. Customer enters valid user credentials for booking flight ticket
6. Customer enters valid user credentials for booking car
7. Flow of Events
   * 1. Basic Flow

Name: Successful Registrations and Online Booking of Hotel Room with Flight ticket and Cab Service

REGISTRATION

1. Opens the browser.
2. Enters the URL https://duniyaghumao.com
3. Clicks on login link.
4. Enters the First name.
5. Enters the Last name
6. Enters the gender.
7. Enters Email ID
8. Enters the Password.
9. Clicks on sign Up.

LOGIN WITH HOTEL ROOM

1. Open the browser.
2. Enter the URL https://duniyaghumao.com
3. Click on login link.
4. Enter the Username.
5. Enter the Password.
6. Click on login Button.
7. Click on ‘Search Hotel’ link.
8. Select the city.
9. Select the ‘Arrival Date’
10. Select the ‘Departure Date’
11. Click on ‘Search’ link
12. Select the hotel and Click on ‘Book Now’ link.
13. Enter the ‘No of rooms to be booked’
14. Enter ‘No of Adults’.
15. Enter ‘No of Children’.
16. Enter payment details.
17. Click on ‘Book’ button.
18. The system validates the details.
19. The system successfully books the hotel room.

Booking flight

1. Customer clicks on Book flight link.
2. Customer enters From City
3. Customer enters To City
4. Customer enters Departure Date
5. Customer enters No. of Tickets
6. Customer selects amount
7. Customer clicks on Search Flights button
8. System displays the list of available flights
9. Customer selects the preferred flight option
10. Customer clicks on the Book Ticket button
11. Customer provides payment details

Car booking

1. Customer clicks on Book cab link.
2. Customer enters Arrival Date
3. Customer enters Arrival time
4. Customer enters No. of seats
5. Customer selects amount.
6. Customer clicks on the Book car button
7. Customer provides payment details
   1. Alternative Flows
      1. Alternate Flow 1: login from other websites
8. Open the facebook website.
9. User clicks on website of hotel booking. https://duniyaghumao.com
10. Click on login link.
11. Enter the Username.
12. Enter the Password.
13. Click on login link.
14. Click on ‘Search Hotel’ link.
15. Select the city.
16. Select the ‘Arrival Date’
17. Select the ‘Departure Date’
18. Click on ‘Search’ link
19. Select the hotel and Click on ‘Book Now’ link.
20. Enter the ‘No of rooms to be booked’
21. Enter ‘No of Adults’.
22. Enter ‘No of Children’.
23. Enter payment details.
24. Click on ‘Book’ link.
25. The system validates the details.
26. The system successfully books the hotel room.
27. Click on flight booking link.
28. Enter valid credentials.
29. Click on ‘Book Flight’ link.
30. Click on Car facilities link.
31. Enter valid credentials.
32. Click on ‘Book car’ link.
33. System validates details
34. The system successfully books the hotel room.
    * 1. Alternate Flow 3: Successful Online booking Of Hotel rooms Without Providing Online amount transfer
35. Open the browser.
36. Enter the URL https://duniyaghumao.com
37. Click on login link.
38. Enter the Username.
39. Enter the Password.
40. Click on login link.
41. Click on ‘Search Hotel’ link.
42. Select the city.
43. Select the ‘Arrival Date’
44. Select the ‘Departure Date’
45. Click on ‘Search’ link
46. Select the hotel and Click on ‘Book Now’ link.
47. Enter the ‘No of rooms to be booked’
48. Enter ‘No of Adults’.
49. Enter ‘No of Children’..
50. Click on ‘Book’ link.
51. The system validates the details.
52. The system successfully books the hotel room.
53. Click on flight booking link.
54. Enter valid credentials.
55. Click on ‘Book Flight’ link.
56. Click on Car facilities link.
57. Enter valid credentials.
58. Click on ‘Book car’ link.
59. System validates details
60. The system successfully books the hotel room.
    1. Exception Flows
       1. Exception Flow 1: Invalid Registration Details
61. Open the browser.
62. Enter the URL. https://duniyaghumao.com
63. Click on registration link.
64. Enter the first name.
65. Enter the last name.
66. Select gender.
67. Enter the email id.
68. Enter the Password.
69. Click on Sign Up option.
70. The system fails to validate the user registration details
71. The system notifies the user that he/she has entered the registration details and redirects the user to enter the valid details.
    * 1. Exception Flow 2:Invalid Login Credentials

1. Open the browser.

2. Enter the URL. https://duniyaghumao.com

3. Click on login link.

4. Enter the Username.

5. Enter the Password.

6. Click on login link.

1. The system fails to validate the user login credential.
   * 1. Exception Flow 3: Customer Enters the invalid Number of Rooms to be booked
2. Open the browser.
3. Enter the URL. https://duniyaghumao.com
4. Click on login link.
5. Enter the Username.
6. Enter the Password.
7. Click on login link.
8. Click on ‘Search Hotel’ link.
9. Select the city.
10. Select the ‘Arrival Date’
11. Select the ‘Departure Date’
12. Click on ‘Search’ link
13. Select the hotel and Click on ‘Book Now’ link.
14. Enter invalid ‘No of rooms to be booked’ viz. null or alphabets or special characters.
15. Enter ‘No of Adults’.
16. Enter ‘No of Children’.
17. Click on ‘Book’ link.
18. The system fails to validate the details.
19. 18 The system notifies the user that he/she has entered the invalid Number of rooms and redirects the user to the Step 13.
    * 1. Exception Flow 4: Customer Enters the invalid Number of Adults
20. Open the browser.
21. Enter the URL. https://duniyaghumao.com
22. Click on login link.
23. Enter the Username.
24. Enter the Password.
25. Click on login link.
26. Click on ‘Search Hotel’ link.
27. Select the city.
28. Select the ‘Arrival Date’
29. Select the ‘Departure Date’
30. Click on ‘Search’ link
31. Select the hotel and Click on ‘Book Now’ link.
32. Enter the ‘No of rooms to be booked’.
33. Enter invalid ‘No of Adults’ viz. null or alphabets or special characters.
34. Enter ‘No of Children’.
35. Click on ‘Book’ link.
36. The system fails to validate the details.
37. The system notifies the user that he/she has entered the invalid Number of adults and redirects the user to the Step 14.
    * 1. Exception Flow 5: Customer Enters the invalid Number of Children
38. Open the browser.
39. Enter the URL. https://duniyaghumao.com
40. Click on login link.
41. Enter the Username.
42. Enter the Password.
43. Click on login link.
44. Click on ‘Search Hotel’ link.
45. Select the city.
46. Select the ‘Arrival Date’
47. Select the ‘Departure Date’
48. Click on ‘Search’ link
49. Select the hotel and Click on ‘Book Now’ link.
50. Enter the ‘No of rooms to be booked’.
51. Enter the ‘No of Adults’.
52. Enter invalid ‘No of Children’ viz. alphabets or special characters.
53. Click on ‘Book’ link.
54. The system fails to validate the details.
55. The system notifies the user that he/she has entered the invalid Number of children and redirects the user to the Step 15.
    * 1. Exception Flow 6: Customer Enters the invalid Flight booking Details
56. Open the browser.
57. Enter the URL. https://duniyaghumao.com
58. Click on login link.
59. Click on ‘Book Flight’ link.
60. Click on Car facilities link.
61. Enter valid credentials.
62. Click on ‘Book car’ link.
63. The system fails to validate the details of flight booking.
64. The system notifies the user that he/she has entered the invalid flight booking and redirects the user to the Step 4
65. Post Conditions

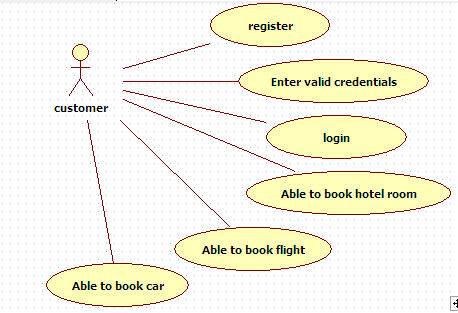
| Flow Name | Post Condition |
| --- | --- |
| Successful online registration for the hotel booking. | The customer is able to successfully register for the hotel booking. |
| Successful Booking of Hotel Room By Customer | The system successfully books the hotel room. |
| Invalid registration details and Login Credentials | The system fails to validate the details and abort user from getting registered and getting logged in to the application. |
| Customer Enters Invalid Number of Rooms to be Booked | The system fails to validate the details and alert the user with the error message. |
| Customer Enters Invalid Number of Adults | The system fails to validate the details and alert the user with the error message. |
| Customer Enters Invalid Number of Children | The system fails to validate the details and alert the user with the error message. |
| Successful Booking of Flight By customers | The system successfully books flight tickets |
| Invalid Credentials of flight booking | The system fails to validate the details about user |
| Successful Booking of car By customers | The system successfully books car |
| Invalid Credentials of booking car | The system fails to validate the details about user |

1. Special Requirements
   * 1. Performance
        1. Minimum of 3MBPs continous connection is required.
        2. Application should respond within 6 sec. for all the request by the user.
        3. System should have 256 mb of ram or higher.

* + 1. Availability
  1. The customer should be able to do online booking of the hotel rooms and on all days.
  2. Application is up and running 24\*7
     1. User Interface
  3. The letters on Menus shall be bold
  4. The active links should be displayed in red color
  5. The visited links should be displayed in purple color
  6. The unvisited links should be displayed in blue
  7. The logout and back button should be available on every page of the application
  8. Look and feel and color of application should be proper.
  9. In case of Field level validation error messages should be displayed in red color.
     1. Security

1. The system shall display the letters of PIN numbers in a masked format when they are entered by the customer.
2. Customer login should not have admin rights
3. After clicking on back on browser it should take you back to the previous page in the list
4. After clicking on Forword on browser it should take you forword to the next page in the list.
5. User Session should get expire if user is inactive for 10 mins.
6. Business Rules

| Business Rule Name | Business Rule Description | System action (if BR fails) |
| --- | --- | --- |
| BR01 | The customer should enter Departure Date in the dd/mm/yyyy format. | The system should display an error message to the user regarding incorrect date format. |
| BR02 | The customer should enter Return Date in the dd/mm/yyyy format. | The system should display an error message to the user regarding incorrect date format. |
| BR03 | The customer should enter arrival Date by the customer while booking the car | The system should display an error message to the user if arrival Date is not entered for option of booking car |

1. Diagrams
   * 1. Use Case Diagram
     2. 
2. Scenarios
   * 1. Success Scenarios
     2. 1. Successful Booking of Hotel Room By Customer
     3. 2. Successful booking of flight tickets
     4. 3. Successful l booking of car
     5. Failure Scenarios

* Invalid registration details
* Invalid Login Credentials
* Customer enters the invalid Number of rooms to be booked.
* Customer enters the invalid Number of adults.
* Customer enters the invalid Number of Children.
* Customer enters the invalid flight booking credentials
* Customer enters the invalid car booking credentials

1. Issues

What if the HTTP session is not created.

What if the user is able to access the page of the application by simply entering the URL of that page on the address bar of the browser.

1. Inter System Dependencies

No intersystem dependencies

1. Assumptions
2. 1. User should have Google chrome browser for best view of the site.
3. 2. The site is best viewed with a resolution of 1024\*768.
4. 3. Application is valid and up running
5. 4. Application is launcing in all the browsers.
6. 5. Administrator should have a valid email id.
7. 6. The User details should be authenticated.
8. 7. The User should know the valid URL of Paradise Insurance Online Company website.

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