**Requirement Specification Document**

**HOTEL RESERVATION**

**(TEAM -10)**

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**Overview**

Hotel reservations is a online website which allows user to find various hotels in given city and book from the available move in and move out dates. This web application will allow the user to request information related to all the available hotels in database as per there data availability.

Also, online reservation system provides backend system for hotel’s staff to update and maintain rates and availability, including special promotion, either FREE bonus nights.

The application is subdivided into 3 users:

1. Customer
2. Manager
3. Salesman

In the role of a customer, the user has been allowed to have below functionalities:

* The user must be a registered user in order to make a reservation at any hotel ,
* The user is provided with Deal’s Match functionality and able to see what’s trending currently
* The user in addition to making a reservation can also add a complementary lunch/diner coupons to it while making the reservation.
* The user can glance through more details information about the hotel where the user can look through gallery for images, hotel information , Look for suggestions for nearby Spots and can both write and view Reviews about the hotels that the user is looking for

In the role of a manager, the user has been allowed to have below functionalities:

* The user can Manage Hotels – Like Add a New Hotel , Modify Hotel information , Delete any hotel
* The user can see the booked hotels through various filters – All Hotel, Based on features (Swimming pool [Yes/No] , Gym [Yes/No] )
* The user can view the Data Analytics to generate report for his use
* The user can see the data visualization using BAR Chart graph

In the role of a Sales, the user has been allowed to have below functionalities:

* User can add a new customer
* User can delete an existing customer

**Features Implemented:**

1. User Registration (Customer/ Manager/Sales)
2. Login for all the above profiles
3. Carousel implemented as part to display amenities of the hotel
4. Communication to the user through email upon confirmation of reservation
5. Deal’s Match using Twitter API
6. Trending Hotel Analysis done using Mongo DB
7. Storing of User Information, Order History, Hotel Information in MY SQL
8. Facility to user to Write and View the Reviews about hotel
9. Data analytics and Data visualization feature for Store Manager
10. Add/Delete/Update Hotel information by manager
11. Add/Delete customer by Sales

**Functionalities Implemented:**

**Customer:**

* Login/SignUp
* View/Search Hotels
* Make/cancel Reservation
* Add/View Reviews
* Request for price lock
* Price match
* Payment

**Guest User:**

* View/Search Hotels
* View Reviews

**Staff:**

* Login/SignUp
* Add Customer
* Add/Update/Delete Reservations
* View Reviews

**Class Diagram:**

