**Hotel Reservation System**

***De-Le-Grande*** is a chain of Hotel present across the cities of India, which provide hospitality services. Recently this concern decides to introduce web based Hotel reservation system.

***The purpose of the System***

**The** followings are the important services & modules of the system

1. Hotel Service
2. Accommodation Type Addition & Fare fixation
3. Hotel addition.
4. Room addition to Hotels.
5. Client Service
6. Room Booking.
7. Guest Other Expenses calculation
8. Client Bill generation & Check out.

***Scope of the System***

The details of each modules are as follows:

1. **Accommodation Type**:- Accommodation type is maintained as follows

|  |  |  |
| --- | --- | --- |
| ID | Name | Fare/day |
| SB | SingleBedded | 1500 |
| DB | DoubleBedded | 2500 |
| ST | Suit | 3500 |

1. **Hotel Addition**:- Hotel records are maintained as follows:-

|  |  |
| --- | --- |
| **ID** | **Name** |
| H1 | De Le Grande Hyderabad |
| H2 | De Le Grande Chennai |
| H3 | De Le Grande Bangaluru |

1. **Room addition :-** It is used to add rooms in a hotel. Module starts with accepting Hotel id, room type . The Id of Room generated automatically like H1R1,H1R2,H1R3... or H2R1,H2R2,H2R3 etc i.e Hotel id plus room id.

Room status is by default V-> vacant , when Client books status will be C->client. Again when client checks out it will again V. Both Super & Ordinary users can add a new Room.

1. **Client Bookings:-**  The module starts with input from user which hotel to book, what kind of room, check-in date, check-out date if room is available for that hotel for those days then other details of client are accepted . An Option for Cancel is also there. It will revert all entries.

Client Information is as follows:-

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CNR | Name | Address | Contact No | Gender | Booking Date | Check-in Date | Check-out Date | RoomNo | PayStatus |
| H11001 | Bobb Haward | Raheja Nagar, Hyderabad | 7843567810 | Male | 23-08-2018 | 03-09-2018 | 05-09-2018 | H1R1 | Paid |
| H21002 | Daisy Miller | Anna Nagar,Chennai | 0443245186 | Female | 06-06-2018 | 06-06-2018 | 10-06-2018 | H2R5 | Paid |
| H31001 | Tom Hawk | WhiteField, Bangalore | 849452123 | Male | 10-06-2018 | 11-06-2018 | 19-06-2018 | H3R2 | Paid |
| H21004 | John Brown | Andheri,Mumbai | 0226741245 | Male | 20-07-2018 | 31-08-2018 | 15-09-2018 | H2R6 | Pending |

Client Id will be autogenerated, with Hotel id as prefix.

1. **Client Expenses calculation:-** . The module begins with what kind of service to enter i.e food &beverage, Loundry & cab, asks CNR as input, displays patients details, asks for input & confirmation **.** These will be reflected in final bill.

Client\_Services

|  |  |  |  |
| --- | --- | --- | --- |
| CNR | Servicetype | Date | Amount |
| H11001 | Food | 03-09-2018 | 400 |
| H11001 | Cab | 05-09-2018 | 900 |

1. **Final Bill Generation : -** This module begins with asking CNR as input, displays Client details, asks for confirmation **.** All expenses for that Client will be auto calculated which includes Room Rent & Service charges. Bill date will be the system date. After bill generation, Room will returned as V status.

***System Presentation & User Interface :-***

The System will be developed based on Spring Boot application.

The User interfaces will be WebPages like Jsp pages/Angular

At Back end, MySQL database will be present.