***Hotel Management System Requirements***

**Data Requirements:**

1. Room Management:

*Store information about different types of rooms, their rates, and availability.*

1. Guest Management:

*Maintain guest details including their ID, name, nationality, address, contact information, and password.*

1. Booking Management:

*Record bookings made by guests, including check-in and check-out dates, along with the associated guest and room information.*

1. Staff Management:

*Store details of staff members, including their name, position, salary, contact information, and password.*

1. Service Management:

*Manage services offered by the hotel, including their name, description, and price.*

1. Room Service Management:

*track services requested by guests during their stay, including the service, quantity and delivery status along with the booking information and the staff assigned to the service.*

**Functional Requirements:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Permissions | Book  Rooms & Services | Update  Bookings | Update Services | Cancel Bookings | Cancel Services |
| Staff w Admin |  |  |  |  |  |
| Guest |  |  |  |  |  |
| Staff |  |  | Only Service Status |  |  |

1. *Staff with Admin position have full power over the Database they can add/edit/remove to and from any table*
2. *Guests can book and cancel bookings but can’t update them, to do so they have to contact the front desk (Only Staff with Admin position can update & cancel bookings & services)*
3. *Staff can only update the status of the Room Services they’re assigned to (Delivered or Not Delivered)*
4. *When it comes to creating accounts/signing up guests are permitted to sign up while staff can’t sign up and their accounts are instead created by an admin. In other words, Staff and admin can only sign in and can’t sign up only admin can create Staff and admin accounts*