**DOCUMENTATION**

Project: Hotel Booking

1. **Guest:**
   1. Method: GET

Endpoint: /guest/all

Description: Retrieves the list of all the guests present in the database.

Output:

List of Guests (Id, Name, Aadhar, Email Id, Address)

* 1. Method: GET

Endpoint: /guest/{id}

Description: Retrieves the guest record for the specific id.

Output:

Guest Record (Id, Name, Aadhar, Email Id, Address)

* 1. Method: GET

Endpoint: /guest/{id}/reservation

Description: Retrieves the reservation for the specific guest id along with the guest details.

Output:

Guest Record (Id, Name, Aadhar, Email Id, Address)

Reservation Record (Id, Total Rooms, Amount, Start Date, End Date)

* 1. Method: POST

Endpoint: /guest

Description: Adds the information of the guest

Input: JSON format

Request Body:

{

"name": "Shreya",

"email\_id":"shreya@gmail.com",

"aadhar":"6283018",

"address": "Gurgaon"

}

Output: Status Code - 201 (Created)

1. **Hotel:**
   1. Method: GET

Endpoint: /hotel/all

Description: Retrieves the list of all the hotels present in the database.

Output:

List of Hotels (Id, Name, Phone, Address)

* 1. Method: GET

Endpoint: /hotel/{id}

Description: Retrieves the hotel record for the specific id.

Output:

Hotel Record (Id, Name, Phone, Address)

* 1. Method: GET

Endpoint: /hotel/{id}/room

Description: Retrieves the list of room types for the specific hotel id along with the hotel details.

Output:

Hotel Record (Id, Name, Phone, Address)

List of Rooms (Id, Type, Count, Rate)

* 1. Method: POST

Endpoint: /hotel

Description: Adds the information of the hotel into the database along with the list of room types for that hotel.

Input: JSON format

Request Body:

{

"name": "Westin",

“phone”:”298201”,

"address": "Gurgaon",

”roomRequest”: [{“type”: ”King”,”count”:”20”, “rate”:”3000”}}

}

Output: Status code – 201 (Created)

* 1. Method: PUT

Endpoint: /hotel/{id}

Description: Updates the details of the hotel for the specific hotel id

Input: JSON format

Request Body:

{

"name": "Westin",

“phone”:”298201”,

"address": "Gurgaon",

}

Output: String (Updated)

1. **Mode:**
   1. Method: GET

Endpoint: /mode/all

Description: Retrieves the list of all the mode of payments present in the database.

Output:

List of Mode (Id, Type)

* 1. Method: GET

Endpoint: /mode/{id}

Description; Retrieves the mode record for the specific id.

Output:

Mode Record (Id, Type)

* 1. Method: POST

Endpoint: /mode

Description: Adding a new mode of payment if required.

Input: JSON format

Request Body:

{

"type": "UPI",

}

Output: String (Success)

1. **Reservation:**
2. Method: GET

Endpoint: /reservation/all

Description: Retrieves the list of all the reservations present in the database.

Output:

List of Reservations (Id, Start Date, End Date, Amount)

1. Method: GET

Endpoint: /reservation/{id}

Description: Retrieves the reservation record for the specific id.

Output:

Guest Record (Id, Start Date, End Date, Amount)

1. Method: POST

Endpoint: /reservation

Description: Creating a new reservation for the corresponding guest and the specific room type.

Input: JSON format

Request Body:

{"totalRooms":"1",

"amount":"3000",

"startDate":"2019-12-12",

"endDate":"2019-12-14",

"guestId":"10",

"roomId":"2"}

Output: String (Success)

* 1. Method: PUT

Endpoint: /reservation/{id}

Description: Updates the details of the reservation for the specific id.

Input: JSON format

Request Body:

{"totalRooms":"1",

"amount":"3000",

"startDate":"2019-12-12",

"endDate":"2019-12-14",

}

Output: String (Updated)

1. **Payment:**
2. Method: GET

Endpoint: /payment/all

Description: Retrieves the list of all the payment records.

List of Payment Records (Id, amount, date)

1. Method: GET

Endpoint: /payment/{id}

Description: Retrieves the payment record for the specific id.

Output:

Payment Record (Id, amount, date)

1. Method: GET

Endpoint: /payment/{id}/reservation

Description: Retrieves the payment record along with the corresponding reservation record.

Payment Record (Id, amount, date)

Reservation Record (Id, start date, end date, total rooms, amount)

1. Method: POST

Endpoint: /payment

Description: Adds a payment record.

Input : JSON

Output: String (Success)

1. **Room:**
   1. Method: GET

Endpoint: /room/all

Description: Retrieves the list of all the room records.

List of Room Records (Id, type, count, rate)

* 1. Method: GET

Endpoint: /room/{id}

Description: Retrieves the room record for the specific id.

Output:

Payment Record (Id, type, rate)

* 1. Method: POST

Endpoint: /room/{id}

Description: Adds a room for a specific hotel id.

Input: JSON

Output: String (Success)