

Server Routes

Method	Purpose	Request/Response
GET /hotel/details/hotel/ <i>ID</i>	Retrieve all information about a hotel based on it's ID	Respond with a hotel object describing the hotel, it's rooms and beds
GET /hotel/search?lat&lng	Retrieve a list of hotels nearest to the location provided	Respond with an array of hotel objects
GET /hotel/user	Retrieve all hotels belonging to the user who manages them	Respond with an array of hotel objects
GET /hotel/ <i>hotelID</i>	Retrieves the hotel page	Respond with the hotel page html which will update itself to reflect the requested hotel
GET /book/ <i>hotelID</i>	Retrieves the book page	Respond with the book page html which will update itself to reflect the requested hotel
GET /book/history	Retrieve all previous bookings for the user	Respond with an array of booking objects
POST /book/update	Update the booking review and rating for the user	Send a booking object to update the review for the booking
POST /book/new	Create a booking for the user	Send a booking object to be added to the database
POST /hotel/update	Update an existing hotel or create a new hotel if it doesn't already exist	Send a hotel object to be added/updated
POST /hotel/delete	Delete an existing hotel	Send the hotelID to be deleted
GET /user	Retrieve information about the user	Respond with a user object

POST /user/update	Updates some information about the user	Send a user object to the server to update the database
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Hotel Object example

```
{
  id:id,
  name:"Just a Hotel",
  rating:4.5,
  rooms: [
    {
      type:"Family",
      pricePerNight: 200.0,
      beds: [
        {
          type: "Double",
          capacity: 2
        },
        {
          type: "Queen",
          capacity: 2
        }
      ]
    }
  ],
  synopsis:"Adelaide CBD A great hotel in general, come stay!",
  thumbnail:"../images/dummy1.png",
  images:[
    "../images/dummy1.png",
    "../images/dummy2.png",
    "../images/dummy3.png"
  ],
  description:"Lovely views of the Adelaide hills and fantastic service",
  lat:-34.920603,
  lng:138.60622769999998,
  address: "123 North Terrace, Adelaide SA",
  features:[
    {
      name:"Wi-Fi",
      value:"Free"
    },
    {
```

```

        name:"Pool",
        value:"Tremendous"
    }
]
}

```

Booking Object example

```

{
    id:id,
    beginDate: (Date),
    endDate: (Date),
    hotelID: 1,
    roomID: 2,
    review: "Was a great stay",
    reviewRating: 5
}

```

Client/Server Interactions

Page	Interaction
ALL	Each page is served up statically by the server
Home	No special interactions
Search	The client sends a location when a search is made and the server returns hotels near this location
Hotel	The client requests the hotel it should display
Book	The client requests the hotel it should display
Bookings	The client requests the list of bookings. The client also can update a booking review
Manage	The client request a list of hotels. The client saves their changes by updating them to the server
Account	The client requests information about the current user. The client sends new information to be updated about the user

