Installation and Setup

Starting Mongo DB Instance

1. Start the MongoDB instance locally using mongod or homebrew

2. Load the dump to MongoDB
   The following steps (for MacOS/Windows) will create a new database "milesNstay" on the mongoDB instance running, and populate the properties and reservation collection with initial data.

   For MacOS Users:
     Change into the unzipped directory MilesNStay-API and execute the following command:
                  mongorestore -d milesNstay ./milesNstay_dump

   For Windows Users:
     1. Go to [MongoDB Tools Download Link](https://www.mongodb.com/try/download/database-tools), and download the "MongoDB Database Tools" zip file for windows.
     2. Open Control Panel
     3. In the Systems and Security category, click System.
     4. Click Advanced system settings. The System Properties modal displays.
     5. Click Environment Variables.
     6. In the System variables section, select Path and click Edit. The Edit environment variable modal displays.
     7. Click New and add the filepath to the location where you installed the Database Tools.
     8. Click OK to confirm your changes. On each other modal, click OK to confirm your changes.

Running the server

1. Open the unzipped directory and open terminal
2. Run command npm install
3. Run command nodemon to start the server

Testing the API endpoints using PostMan

Import API Collection to PostMan
   1. Navigate to the Files menu
   2. Select import.
   3. Upload postman-api-collection.json to PostMan.
   4. Now you can access all the APIs.

Create own API in PostMan
Properties Collection:
• Retrieve all properties

Method	URL
GET	http://localhost:3000/properties

- Retrieve single property based on Property ID

Method	URL
GET	http://localhost:3000/properties/6377057f6d8f5c5d98b573b8

In the above url "6377057f6d8f5c5d98b573b8" is the Property ID

- Insert a new property

Method	URL
POST	http://localhost:3000/properties

Request Body :
```
{
   "data": {
      "_id":"6377d88619b36f9c3852ee50",
      "host_id": 3,
      "property_name": "Santana Row Loft",
      "property_type": "Condo",
      "description": "The very spacious open concept condo is over 1090 sq feet of space to enjoy the view from below. This loft unit includes 1 parking spot and a key less door entrance for your convenience and safety. Tall airy ceiling and minimalist decor, VIP guests can unwind after a long day of work/entertainment. The 8 people dining table serves as conference area and work space for remote workers.",
      "summary": "The very spacious open concept condo is over 1090 sq feet of space to enjoy the view from below.",
      "room_type": "Entire Apartment",
      "max_nights": 10,
      "min_nights": 2,
      "max_guests": 4,
      "bed_count": 2,
      "bath_count": 2,
      "cancellation_policy": "strict",
      "cost": {
         "per_night": 200,
         "deposit": 300,
         "cleaning_fee": 100
      },
      "rating": {
         "overall": 4.9,
         "cleanliness": 4.9,
         "communication": 4.9,
         "check_in": 4.8,
         "accuracy": 4.8,
         "location": 5,
         "value": 5
      },
      "house_rules": {
         "check_in": "After 1:00 PM",
         "check_out": "Before 11:00 AM",
         "check_in_type": "in-person",
         "smoking": false,
         "parties": false,
```

```
                    "pets": true,
                    "additional_notes": "N/A"
                },
                "property_address": {
                    "street": "100, Southside Street",
                    "unit_no": "2",
                    "city": "San Antonio",
                    "state": "Texas",
                    "zip": 49844,
                    "country": "United States of America",
                    "distance_from_city_center": 10,
                    "coordinates": {
                        "lat": 333.4343434,
                        "lng": 32.3443434
                    }
                },
                "images": [
                    {
                        "image_id": 3,
                        "image_name": "jbnu6.jpg",
                        "image_url": "img/jbnu6.jpg",
                        "image_description": "View from the condo",
                        "is_deleted": false
                    }
                ],
                "amenities": [
                    "Wifi",
                    "Pool",
                    "Air-conditioning",
                    "Balcony"
                ],
                "reviews": [
                    "Modern and elegant.",
                    "Best weekend getaway"
                ]
            }
        }
```

- Update a property

Method	URL
PUT	http://localhost:3000/properties

Request Body
```
    {
        "query": {
            "property_name": "The Joshua Tree House"
        },
        "newValue": {
            "property_type": "Apartment"
        }
    }
```

- Delete a property

Method	URL
DELETE	http://localhost:3000/properties

Request Body
```
{
    "query": {
        "property_name": "The Joshua Tree House"
    }
}
```

Reservations Collection:
- Retrieve all reservations for a guest ID

Method	URL
GET	http://localhost:3000/reservations?userid=56840

In the above url "56840" is the guest ID

- Retrieve single reservation based on Reservation ID

Method	URL
GET	http://localhost:3000/reservations/637706306d8f5c5d98b573be

In the above url "637a7a62e46ad9d20fd512a6" is the reservation ID

- Insert a new reservation

Method	URL
POST	http://localhost:3000/reservations

Request Body :
```
{
    "data": {
        "start_date": "2022-11-26",
        "end_date": "2022-11-29",
        "status": "pending",
        "receipt_url": "/receipt/hghjhg.pdf",
        "transaction_id": "947974",
        "host": {
            "host_id": "2",
            "host_name": "Jenny Penny"
        },
        "guest": {
            "guest_id": "241295",
            "guest_name": "Reva Gupta"
        },
        "property": {
            "property_id": "637728460dc7486e05a03760",
            "property_name": "Santana Row Loft"
        }
    }
}
```

- Update a reservation

Method	URL
PUT	http://localhost:3000/reservations

Request Body
```
{
    "query": {
        "status": "pending"
    },
    "newValue": {
        "status": "upcoming"
    }
}
```

- Delete a reservation

Method	URL
DELETE	http://localhost:3000/reservations

Request Body
```
{
    "query": {
        "status": "ended"
    }
}
```