**Seed Data Page Wiki Link**: <https://github.com/srikarmiriyala/GDPProject-02/wiki/Seed-Data>

**Seed Data File Link**: <https://github.com/srikarmiriyala/GDPProject-02/blob/main/sample_travel_data.json>

**Seed Data:**

A set of initial data used to fill a database prior to its use in a live setting is known as "seed data." In software development, this information is essential for several reasons, such as testing, development, and demonstration.  
  
**Sample Data Schema:**

**1. Users Collection**

**Schema:**

{

"\_id": "String",

"Name": "String",

"Email": "String",

"Password": "String",

"Phone": "String"

}

**Sample Users Collection**

| **\_id** | **Name** | **Email** | **Password** | **Phone** |
| --- | --- | --- | --- | --- |
| user1 | John Doe | [johndoe@example.com](mailto:johndoe@example.com) | hashed\_password | 1234567810 |
| user2 | Jane Smith | [janesmith@example.com](mailto:janesmith@example.com) | hashed\_password | 1234567820 |
| user3 | Alice Johnson | [alicejohnson@example.com](mailto:alicejohnson@example.com) | hashed\_password | 1234567830 |
| user4 | Bob Brown | [bobbrown@example.com](mailto:bobbrown@example.com) | hashed\_password | 1234567840 |
| user5 | Charlie Davis | [charliedavis@example.com](mailto:charliedavis@example.com) | hashed\_password | 1234567850 |

**2. Destinations Collection**

**Schema:**

{

"\_id": "String",

"Name": "String",

"Description": "String",

"Country": "String"

}

**Sample Destinations Collection**

| **\_id** | **Name** | **Description** | **Country** |
| --- | --- | --- | --- |
| destination1 | Paris | Beautiful city known for its rich history and culture. | France |
| destination2 | Rome | Beautiful city known for its rich history and culture. | Italy |
| destination3 | Barcelona | Beautiful city known for its rich history and culture. | Spain |

**3. Trips Collection**

**Schema:**

{

"\_id": "String",

"DestinationID": "String",

"StartDate": "Date",

"EndDate": "Date",

"Field": "String"

}

**Sample Trips Collection**

| **\_id** | **DestinationID** | **StartDate** | **EndDate** | **Field** |
| --- | --- | --- | --- | --- |
| trip1 | destination1 | 2024-06-05 | 2024-06-13 | Vacation |
| trip2 | destination2 | 2024-06-01 | 2024-06-12 | Vacation |
| trip3 | destination3 | 2024-06-09 | 2024-06-17 | Vacation |

**4. Bookings Collection**

**Schema:**

{

"\_id": "String",

"UserID": "String",

"TripID": "String",

"FlightID": "String",

"BookingDate": "Date",

"Status": "String"

}

**Sample Bookings Collection**

| **\_id** | **UserID** | **TripID** | **FlightID** | **BookingDate** | **Status** |
| --- | --- | --- | --- | --- | --- |
| booking1 | user1 | trip1 | flight1 | 2024-05-20 | Confirmed |
| booking2 | user2 | trip2 | flight2 | 2024-05-20 | Confirmed |
| booking3 | user3 | trip3 | flight3 | 2024-05-20 | Confirmed |

**5. Flights Collection**

**Schema:**

{

"\_id": "String",

"Airline": "String",

"DepartureTime": "String",

"ArrivalTime": "String",

"DepartureAirport": "String",

"ArrivalAirport": "String",

"Price": "Number"

}

**Sample Flights Collection**

| **\_id** | **Airline** | **DepartureTime** | **ArrivalTime** | **DepartureAirport** | **ArrivalAirport** | **Price** |
| --- | --- | --- | --- | --- | --- | --- |
| flight1 | Air France | 10:00 | 14:00 | JFK | CDG | 500 |
| flight2 | Alitalia | 10:00 | 14:00 | JFK | CDG | 500 |
| flight3 | Iberia | 10:00 | 14:00 | JFK | CDG | 500 |

**6. Activities Collection**

**Schema:**

{

"\_id": "String",

"DestinationID": "String",

"Name": "String",

"Description": "String",

"Type": "String"

}

**Activities Collection**

| **\_id** | **DestinationID** | **Name** | **Description** | **Type** |
| --- | --- | --- | --- | --- |
| activity1 | destination1 | Museum Tour | Guided tour of the main attractions. | Culture |
| activity2 | destination2 | City Tour | Guided tour of the main attractions. | Culture |
| activity3 | destination3 | Beach Day | Guided tour of the main attractions. | Culture |

**7. Reviews Collection**

**Schema:**

{

"\_id": "String",

"UserID": "String",

"TripID": "String",

"Rating": "Number",

"Comments": "String",

"Date": "Date"

}

**Reviews Collection**

| **\_id** | **UserID** | **TripID** | **Rating** | **Comments** | **Date** |
| --- | --- | --- | --- | --- | --- |
| review1 | user1 | trip1 | 2 | It was an amazing trip! | 2024-06-11 |

**8. Payments Collection**

**Schema:**

{

"\_id": "String",

"BookingID": "String",

"FlightID": "String",

"Amount": "Number",

"PaymentDate": "Date",

"PaymentMethod": "String"

}

**Payments Collection**

| **\_id** | **BookingID** | **FlightID** | **Amount** | **PaymentDate** | **PaymentMethod** |
| --- | --- | --- | --- | --- | --- |
| payment1 | booking1 | flight1 | 500 | 2024-05-21 | Credit Card |

**9. Packing Checklists Collection**

**Schema:**

{

"\_id": "String",

"UserID": "String",

"TripID": "String",

"ItemName": "String",

"Status": "String"

}

**Packing Checklists Collection**

| **\_id** | **UserID** | **TripID** | **ItemName** | **Status** |
| --- | --- | --- | --- | --- |
| checklist1 | user1 | trip1 | Passport | Packed |

**Instructions for Loading Test Data into MongoDB**

**Overview:**

This document provides detailed instructions on how to import the provided JSON seed data into a MongoDB database. This process is essential for setting up a controlled testing environment, ensuring that testing does not occur on production data.

**Prerequisites**

* **MongoDB Installation**: Ensure that MongoDB is installed on your system. If not, download and install it from [MongoDB's official site](https://www.mongodb.com/try/download/community).
* **MongoDB Tools**: Make sure that MongoDB command line tools are installed, specifically mongoimport, which is used for importing data.

**Seed Data File**

The seed data for this project is contained in a JSON file named [sample\_travel\_data.json](https://github.com/srikarmiriyala/GDPProject-02/blob/main/sample_travel_data.json). This file includes collections such as users, destinations, trips, bookings, flights, activities, reviews, payments, and packing checklists.

**Importing Seed Data**

Follow these steps to import the seed data into your MongoDB database:

1. **Open your command line interface (CLI)**:
   * Windows: Open Command Prompt or PowerShell.
   * macOS/Linux: Open Terminal.
2. **Navigate to the directory containing the JSON file**:
   * Use the cd command to change to the directory where sample\_travel\_data.json is located.
3. **Create or use an existing MongoDB database**:
   * You can create a new database or use an existing one. For this example, we will create/use a database named travelDatabase.
   * Command to use the database: use Travel-Buddy
   * mongosh "mongodb+srv://cluster-travelbuddy.tzel0z7.mongodb.net/" --apiVersion 1 --username admin , this will be the connection String to our database. You will be prompted for the password for the Database User, admin.
4. **Import the data using mongoimport**:
   * Run the following command to import the JSON file into your MongoDB database. Adjust the file path as necessary.

mongoimport --db Travel-Buddy--collection users --file /path/to/sample\_travel\_data.json --jsonArray