

To successfully download and use the database, please follow these steps:

### **1. Download the Database**

Start by downloading the `project2.zip` file from my GitHub repository. This archive contains files generated by running `mongodump` on my database.

### **2. Extract and Navigate to the Directory:**

Once downloaded, extract the zip file. Open your terminal and navigate to the extracted directory. If you've placed it on your desktop, use the following commands:

- For macOS:

```
cd ~/Desktop/project2
```

- For Windows:

```
cd Desktop\project2
```

### **3. Restore the Database:**

Execute the following command to restore the database using `mongorestore`:

```
mongorestore --uri "mongodb://localhost:27017" ./
```

### **4. Access the Database:**

Open MongoDB Compass and connect to the database using the connection string:

```
mongodb://localhost:27017
```

Once connected, select the `project2` database and start exploring and querying the data.

### **5. Run Maintenance Scripts:**

To ensure the integrity and accuracy of your data, I recommend running the following scripts after you have begun querying:

- `ensureaccuracy.js`
- `deleteuserswithnoportfolio.js`
- `updatetotalvalue.js`
- `updateportfoliostatus.js`

These scripts help eliminate bugs, duplications, or errors that might crop up. All of these can be found in my github repository.

Enjoy working with your new database setup! If you encounter any issues or have questions, feel free to reach out.

Alternatively, you can manually populate the database using JSON files provided for each collection. Here's how to set it up using MongoDB Compass:

### **1. Create the Database:**

Open MongoDB Compass, connect to localhost:27017, and create a new database named `project2`. Within this database, create the following collections:

- `users`
- `properties`
- `transactions`
- `leases`
- `financial\_reports`
- `portfolios`

### **2. Import Data:**

For each collection, import the corresponding JSON data. The JSON files are available in my GitHub repository. In MongoDB Compass, you can import data by navigating to the collection, then selecting the "Add Data" dropdown and choosing "Import File". Locate the JSON file for each collection and proceed with the import.

### **3. Run Maintenance Scripts:**

Once you have populated the database and started working with it, I recommend executing the following maintenance scripts to ensure the data's integrity and accuracy:

- `ensureaccuracy.js`
- `deleteuserswithnoportfolio.js`
- `updatetotalvalue.js`
- `updateportfoliostatus.js`

These scripts are designed to fix common issues such as bugs, duplications, or errors. You can find all these scripts in my GitHub repository.

Enjoy your new database setup! Should you run into any problems or have any queries, please do not hesitate to reach out.