Application Setup and Run Documentation

This documentation provides step-by-step instructions on how to set up and run the Furniture Recommendation System and the Interior Application. The application consists of two main components: The Furniture Recommendation System and the Interior Application.

Furniture Recommendation System

Setup

1. Navigate to the `furniture_recommendation` folder.

```
cd furniture_recommendation
```

2. Install the required dependencies from `requirements.txt` using `pip`.

```
pip install -r requirements.txt
```

Data Generation

3. Run the `generate.py` script to generate the dataset.

```
python generate.py
```

Furniture Recommendation Initialization

4. Run the `furniture_rec_init.py` script to initialize the furniture recommendation system.

```
python furniture_rec_init.py
```

Furniture Recommendation Application

5. Run the main application using `app.py`.

```
python app.py
```

Interior Application

Setup

1. Download the ML trained model from the provided Google Drive link and place it in the `interior-app/ML` folder.

2. Install Node.js if you haven't already. You can download it from the official Node.js website: [https://nodejs.org] (https://nodejs.org).

Interior Application Frontend

3. Navigate to the `interior-app` folder.

```
cd interior-app
```

4. Install the required frontend dependencies using `npm`.

```
npm install
```

5. Start the React app.

```
npm start
```

Interior Application Backend

6. Navigate to the `interior-app/ML` folder.

```
cd ML
```

7. Install the required Python backend dependencies from `requirements.txt`.

```
pip install -r requirements.txt
```

8. Activate the Python backend by running `app.py`.

```
python app.py
```

The Furniture Recommendation System and the Interior Application are now set up and running. The frontend of the Interior Application can be accessed by visiting `http://localhost:3000` in your web browser. Please follow the provided steps carefully, and if there are any issues, make sure to check the prerequisites and dependencies to ensure a smooth setup and run process.

Google Drive Link for the ML Model

https://drive.google.com/drive/folders/1oxJftxMKyviCSEqjp7AYcckoC5MS9JI2?usp=sharing