

Singapore Resale Flat Prices Prediction






This is the documentation for using the Streamlit Application

Application Link (Deployed on Render):

Link: <https://singapore-resale-flat-prices-prediction-819q.onrender.com/>

Using the Application:

1. Firstly, download all the respective files in the App directory on the github repository.

 main.py	Add files via upload
 model.pkl	Add files via upload
 mrt.csv	Add files via upload
 requirements.txt	Add files via upload
 scaler.pkl	Add files via upload

2. Now, install all the python packages that are present in the requirements.txt.

```
1   certifi
2   charset-normalizer
3   click
4   geopy
5   idna
6   numpy
7   pandas
8   requests
9   streamlit
10  streamlit-option-menu
11  urllib3
12  scikit-learn
```

3. Now, open main.py file and run the command “streamlit run main.py” in the terminal of your Python IDE.

```
(venv) PS C:\Users\sadhi\Desktop\Singapore Flat Prices\App> streamlit run main.py

You can now view your Streamlit app in your browser.
```

Note: The above steps are for those who want to setup and run the Application locally in their PC. The next steps will be same for both the people who want to

run the application locally and for those who clicked the above link to open the application online on their web browser.

4. Now after running the command “streamlit run main.py” locally or clicking the application link given above to open the application on web browser, the below interface will be visible to all.



5. To predict the resale price of a Singapore Flats, follow these steps:
 - Select the "**Predictions**" option menu.
 - Fill in the following required information:
 - Street Name
 - Block Number
 - Floor Area (Per Square Meter)
 - Lease Commence Date
 - Storey Range (Format: 'Value1' TO 'Value2')
 - Click the "**PREDICT RESALE PRICE**" button.
 - The app will display the predicted resale price based on the provided information.

