

HOTEL RECOMMENDER SYSTEM

By Ahmed Khalid

HOTEL RECOMMENDER SYSTEM

- **Describe** : Hotel Recommendation System is a Machine Learning software that identify the hotels based on the similarity of features.
- **Recommendation Type** : Content based filtering.
- **Technologies** : Python – Streamlit – API – Sklearn – Folium – Firebase.
- **Libraries** : pandas, streamlit_folium, streamlit, pathlib, numpy, time, sklearn, haversine, pyrebase, pillow, branca, xmltodict, requests.



Please enter your email address

Please enter your password



☐ Login

EET Global CBF Hotel Recommender System

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EET Global CBF Hotel Recommender System

Enter Jp code Pls...(Ex : JPxxxxxx)

Start Date

End Date

2022/12/29

2022/12/30

Paxes info

Adults (EX: 2)

Children (EX: 2)

1

-

+

0

-

+

Nationality

Andorra(ad)

▼

Enter Rate Pls...(Ex : 152.5)

0.00

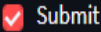
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Number of hotels Pls...(Ex : 5)

5

☐ Submit



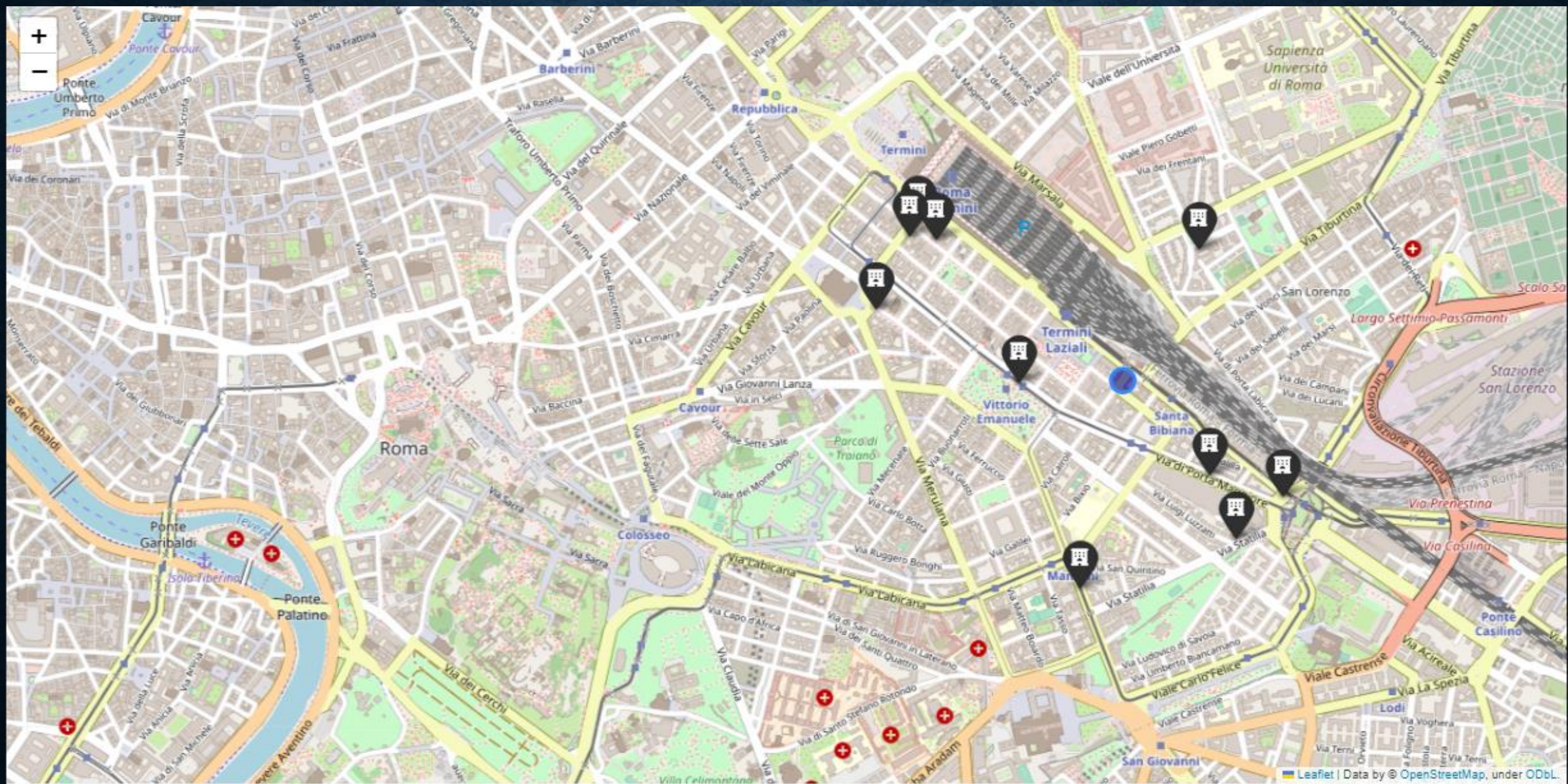
Submit

	JP Code	Hotel Name	R Lat	Real Long	Category	Hotel Address	Country	ZoneName_2	ZoneName_3
0	JP228284	Hotel Caracciolo	41.8951	12.5086	3.0000	Via Cairoli 86/88 ;, 185, Rome, Italy	Italy	Lazio	Rome

Total Number of Hotels : 591

Final Data No of rows : 10

	index	JpCode	Hotel_Name	Latitude	Longtude	Hotel_Address	Country	Category	Distance	Rates	Board Type	Lowest Rate
0	Google Map	JP776618	Hotel Latinum	41.892052	12.514340	Piazza Portamaggiore 11 - 00185 Rome, Italy	Italy	4.0	0.585553	[69.1]	[BB]	69.1
1	Google Map	JP909606	Best Western Hotel President	41.889640	12.507080	Via Emanuele Filiberto 173,Roma, Italy	Italy	4.0	0.623291	[70.71, 87.34, 128.93]	[RO, BB, HB]	70.71
2	Google Map	JP116698	Best Roma Hotel	41.892616	12.511703	Via Di Porta Maggiore 51 - Rome, 00185, Italy	Italy	4.0	0.379621	[70.91, 75.06]	[RO, BB]	70.91
3	Google Map	JP051290	Emona Aquaeductus	41.890938	12.512654	Via Statilia, 23, Termini Central Station, Rome, Italy 00185	Italy	4.0	0.574350	[72.63, 95.13]	[RO, BB]	72.63
4	Google Map	JP149407	MORGANA	41.898888	12.501921	Via Filippo Turati, 31 - 00185(Via Filippo Turati , 33/37), Rome, Italy	Italy	4.0	0.692972	[85.27]	[BB]	85.27
5	Google Map	JP120790	ARISTON	41.898998	12.501000	Via Filippo Turati 16, 000, Rome, Italy	Italy	4.0	0.762018	[85.95, 109.83]	[RO, BB]	85.95
6	Google Map	JP044477	????? ???(Napoleon)	41.895100	12.504900	Piazza Vittorio Emanuele li 105, 00185, Rome, Italy	Italy	4.0	0.306268	[100.08, 107.85]	[RO, BB]	100.08
7	Google Map	JP973982	Gioberti	41.899338	12.501272	Via Gioberti 20 Roma, Rome, Italy	Italy	4.0	0.766032	[105.76]	[BB]	105.76
8	Google Map	JP914696	Mecenat Palace	41.897041	12.499800	Via Carlo Alberto 3, 00185, Rome, Italy	Italy	4.0	0.758730	[111.04]	[BB]	111.04
9	Google Map	JP315982	ATENEO GARDEN PALACE	41.898632	12.511322	Via Del Salentini 3, Parioli & Nomentano, Rome, Italy 00185	Italy	4.0	0.449882	[142.37]	[BB]	142.37



	JP Code	Hotel Name	R Lat	Real Long	Category	Hotel Address	Country	ZoneName_2	ZoneName_3
0	JP228284	Hotel Caracciolo	41.8951	12.5088	3.0000	Via Cairoli 86/88 , 185, Rome, Italy	Italy	Lazio	Rome

Total Number of Hotels : 591

Final Data No of rows : 10

	index	JpCode	Hotel_Name	Latitude	Longitude	Hotel_Address	Country	Category	Distance	Rates	Board Type	Lowest Rate
0	Google Map	JP776818	Hotel Latinum	41.892052	12.514340	Piazza Portamaggiore 11 - 00185 Rome, Italy	Italy	4.0	0.585553	[89.1]	[BB]	89.1
1	Google Map	JP909806	Best Western Hotel President	41.889840	12.507080	Via Emanuele Filiberto 173,Roma, Italy	Italy	4.0	0.823291	[70.71, 87.34, 128.93]	[RO, BB, HB]	70.71
2	Google Map	JP116898	Best Roma Hotel	41.892816	12.511703	Via Di Porta Maggiore 51 - Rome, 00185, Italy	Italy	4.0	0.379621	[70.91, 75.06]	[RO, BB]	70.91
3	Google Map	JP051290	Ermona Aquaeductus	41.890938	12.512654	Via Stalilia, 23, Termini Central Station, Rome, Italy 00185	Italy	4.0	0.574350	[72.63, 95.13]	[RO, BB]	72.63
4	Google Map	JP149407	MORGANA	41.898888	12.501921	Via Filippo Turati, 31 - 00185(Via Filippo Turati , 33/37), Rome, Italy	Italy	4.0	0.692972	[85.27]	[BB]	85.27
5	Google Map	JP120790	ARISTON	41.898998	12.501000	Via Filippo Turati 16, 000, Rome, Italy	Italy	4.0	0.762018	[85.95, 109.83]	[RO, BB]	85.95
6	Google Map	JP044477	????? ???(Napoleon)	41.895100	12.504900	Piazza Vittorio Emanuele II 105, 00185, Rome, Italy	Italy	4.0	0.306268	[100.08, 107.85]	[RO, BB]	100.08
7	Google Map	JP973982	Gioberti	41.899338	12.501272	Via Gioberti 20 Roma, Rome, Italy	Italy	4.0	0.768032	[105.76]	[BB]	105.76
8	Google Map	JP914896	Mecenatè Palace	41.897041	12.499800	Via Carlo Alberto 3, 00185, Rome, Italy	Italy	4.0	0.758730	[111.04]	[BB]	111.04
9	Google Map	JP315982	ATENEO GARDEN PALACE	41.898832	12.511322	Via Del Salentini 3, Parioli & Nomentano, Rome, Italy 00185	Italy	4.0	0.449882	[142.37]	[BB]	142.37

