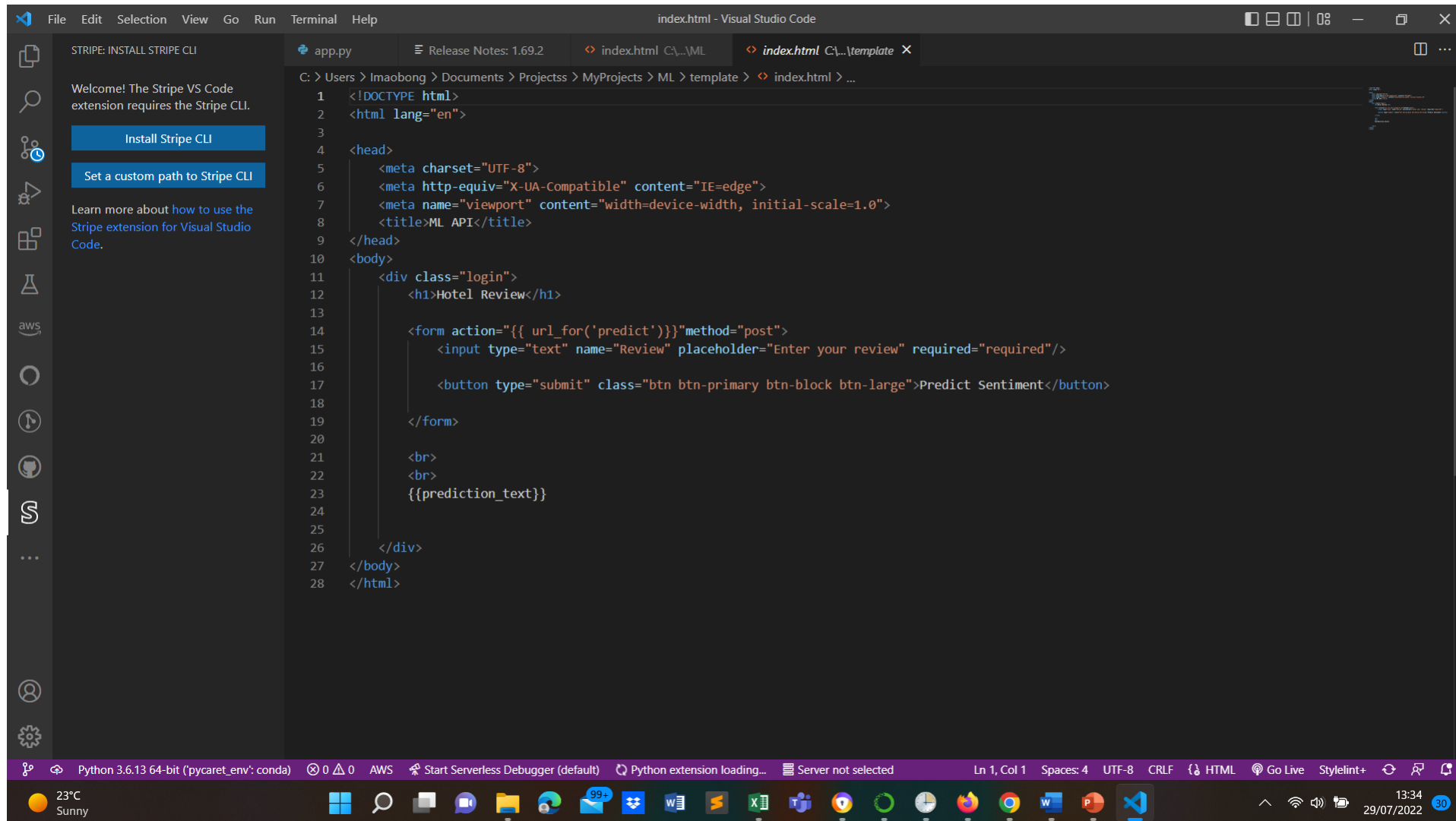# DATA GLACIER (WEEK 4)
DEPLOYMENT ON FLASK

NAME: GABRIEL ALUEDE

BATCH NO: LISUM11: 30 June - 30 Sept 2022

SUBMITTED TO GITHUB REPOSITORY

SNAPSHOTS

SNAPSHOTS: I performed EDA on the Dataset and developed a model

```
            return 'Positive'

review['Sentiment'] = review['Polarity'].apply(getAnalysis)

#show the dataframe

review
```

Out[22]:

	User_ID	Description	Browser_Used	Device_Used	Is_Response	Rating	Polarity	Subjectivity	Sentiment
0	id10326	The room was kind of clean but had a VERY stro...	Edge	Mobile	not happy	1	0.346190	0.643228	Positive
1	id10327	I stayed at the Crown Plaza April -- - April -...	Internet Explorer	Mobile	not happy	1	0.042363	0.528986	Positive
2	id10328	I booked this hotel through Hotwire at the low...	Mozilla	Tablet	not happy	1	0.124969	0.527284	Positive
3	id10329	Stayed here with husband and sons on the way t...	InternetExplorer	Desktop	happy	0	0.718500	0.739000	Positive
4	id10330	My girlfriends and I stayed here to celebrate ...	Edge	Tablet	not happy	1	0.117192	0.533254	Positive
...	...	...	...	...	...	...	...	...	...
38927	id49253	We arrived late at night and walked in to a ch...	Edge	Desktop	happy	0	0.135526	0.606871	Positive
38928	id49254	The only positive impression is location and p...	InternetExplorer	Mobile	not happy	1	0.289711	0.523122	Positive
38929	id49255	Traveling with friends for shopping and a show...	Firefox	Mobile	not happy	1	0.124628	0.516636	Positive
38930	id49256	The experience was just ok. We paid extra for ...	Chrome	Desktop	not happy	1	0.330000	0.448889	Positive
38931	id49257	The Westin is a wonderfully restored grande da...	Mozilla	Desktop	happy	0	1.000000	1.000000	Positive

38932 rows × 9 columns

In [23]:
```
#Visualize the sentiment distribution

sns.countplot(review['Sentiment'])
plt.title('Sentiment')
plt.show()
```
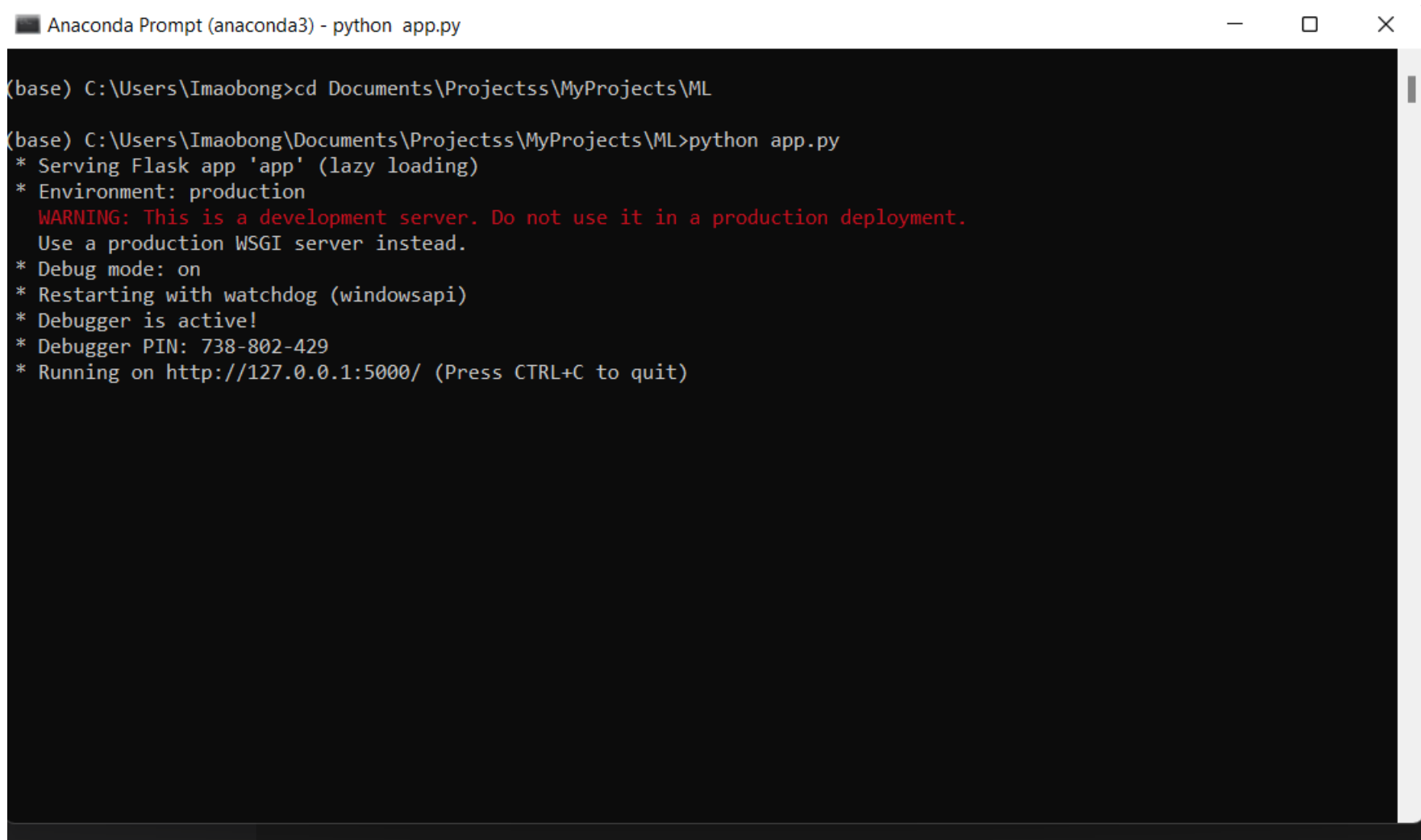
SNAPSHOTS: Using Anaconda CMD to run the app and get the local IP

SNAPSHOTS: The GUI of the Model

127.0.0.1:5000/predict
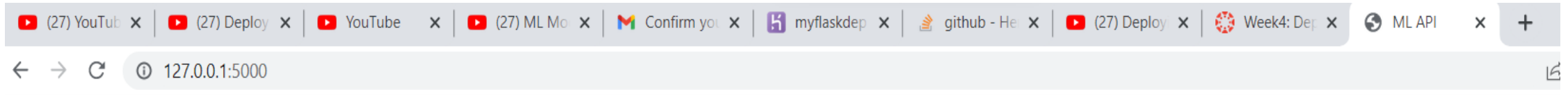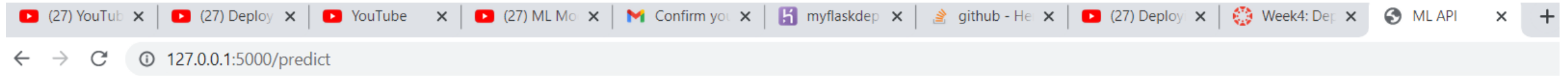
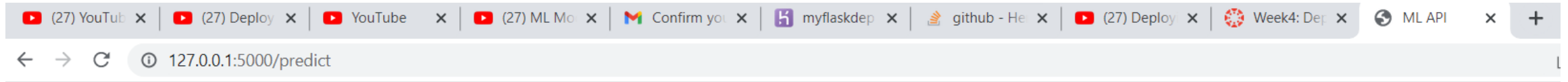# Hotel Review

I hate everything about the | Predict Sentiment

The customer was Negative

Hotel Review

It is a nice place to be.   Predict Sentiment

The customer was Positive