



Final project



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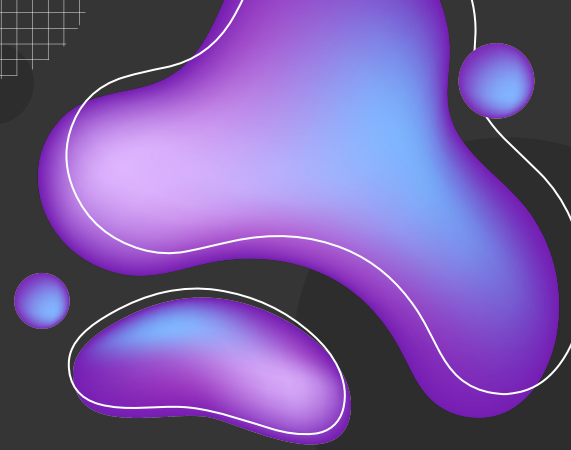
01

Why do we need this
application?



To summarize paragraphs

To output and summarize paragraphs which we will find according to name of the coin and including this name in google search request.





02

What is being done





Steps to achieve our goal

Library to
retrieve data
from website

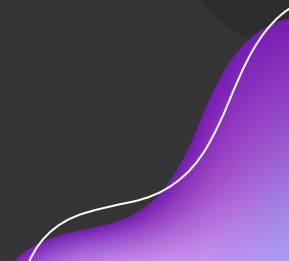
To read those
paragraphs

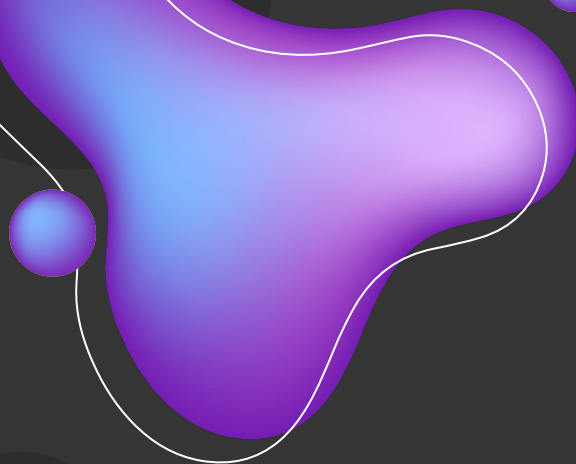
Library to
connect with
database

To save retrieved
information

Library to
summarize
information

To summarize
paragraphs





03

How it's being done





Used tools



- VSCode
- Flask
- Flask_sqlalchemy
- Requests
- BeautifulSoup
- Huggingface
- Postgresql



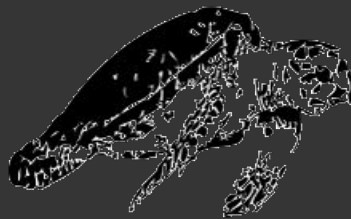
Flask

web development,
one drop at a time



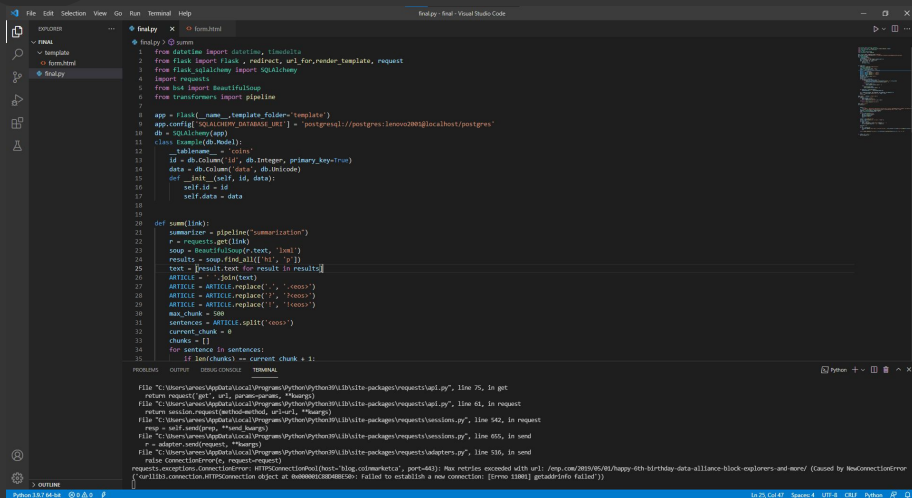
Flask SQLAlchemy

BeautifulSoup

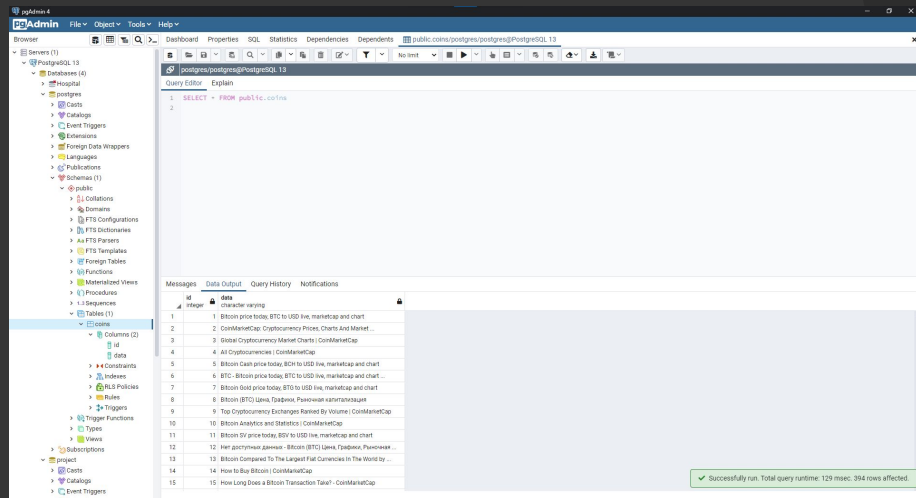


Requests

Writing code itself



```
1 from datetime import datetime, timedelta
2 from flask import Flask, redirect, url_for, render_template, request
3 from flask_sqlalchemy import SQLAlchemy
4 import requests
5 from bot import board, followson
6 from transformers import pipeline
7
8 app = Flask(__name__, template_folder='template')
9 app.config['SQLALCHEMY_DATABASE_URI'] = 'postgresql://postgres:1qaz!@WSLubuntu2004@localhost/postgres'
10 db = SQLAlchemy(app)
11 class Tweet(db.Model):
12     __tablename__ = 'tweets'
13     id = db.Column('id', db.Integer, primary_key=True)
14     data = db.Column('data', db.JSON)
15     def __init__(self, id, data):
16         self.id = id
17         self.data = data
18
19
20 def sumo(link):
21     sumo_line = pipeline('summarization')
22     r = requests.get(link)
23     soup = BeautifulSoup(r.text, 'lxml')
24     results = soup.find_all('li', 'p')
25     text = [result.text for result in results]
26     ARTICLE = ' '.join(text)
27     ARTICLE = ARTICLE.replace(' ', '<br>')
28     ARTICLE = ARTICLE.replace('?', '<br>')
29     ARTICLE = ARTICLE.replace('!', '<br>')
30     MAX_CHAR = 500
31     sentences = ARTICLE.split('<br>')
32     current_chunk = 0
33     chunks = []
34     for sentence in sentences:
35         if len(chunks) == current_chunk + 1:
```



Using all those tools we started to write an application



04

Conclusion



We completed our goal

Using knowledge gained during this course and given information we achieve our goal by creating an application which operates properly and fully corresponds to its purpose

Our team



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Thanks!

Resources

- <https://code.visualstudio.com/>
- <https://www.pgadmin.org/>
- <https://flask.palletsprojects.com/en/2.0.x/>
- <https://flask-sqlalchemy.palletsprojects.com/en/2.x/>
- <https://pypi.org/project/requests/>
- pip install transformers
- <https://www.crummy.com/software/BeautifulSoup/bs4/doc/>