

Divya Chelikani

Student course enrollment

-Set up one virtual environment

- Go to your current directory

```
cd C:\Users\Divya\todo_app
```

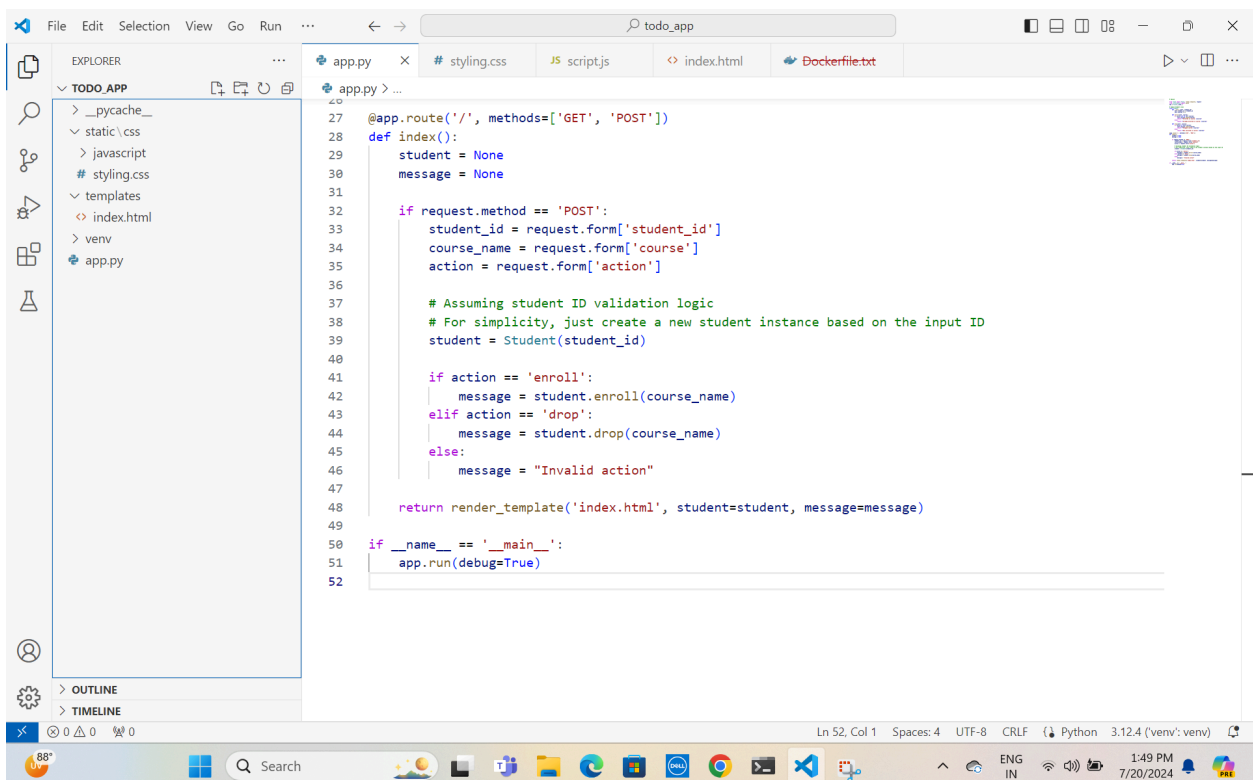
-Activate the virtual environment

```
C:\Users\Divya\todo_app\venv\Scripts\activate.bat
```

-Run the application

```
python app.py
```

-Create the structure of project



The screenshot shows a Visual Studio Code editor window with a project named 'todo_app'. The Explorer sidebar on the left displays the project structure: a folder named 'TODO_APP' containing subfolders for static files (static\css, static\javascript), templates, and a virtual environment (venv). The main editor area shows the 'app.py' file, which defines a Flask application. The code includes a route for the root path ('/') that handles GET and POST requests. The 'index()' function initializes a 'student' object and a 'message'. It checks if the request method is 'POST' and processes the form data (student_id, course_name, action). It includes logic for enrolling a student, dropping a course, and handling invalid actions. The application uses 'render_template' to display the 'index.html' file with the current student and message. The code is wrapped in a standard Flask main block.

```
26
27 @app.route('/', methods=['GET', 'POST'])
28 def index():
29     student = None
30     message = None
31
32     if request.method == 'POST':
33         student_id = request.form['student_id']
34         course_name = request.form['course']
35         action = request.form['action']
36
37         # Assuming student ID validation logic
38         # For simplicity, just create a new student instance based on the input ID
39         student = Student(student_id)
40
41         if action == 'enroll':
42             message = student.enroll(course_name)
43         elif action == 'drop':
44             message = student.drop(course_name)
45         else:
46             message = "Invalid action"
47
48     return render_template('index.html', student=student, message=message)
49
50 if __name__ == '__main__':
51     app.run(debug=True)
52
```

Output :

```
Windows PowerShell
Microsoft Windows [Version 10.0.22631.3880]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Divya>cd C:\Users\Divya\todo_app

C:\Users\Divya\todo_app>C:\Users\Divya\todo_app\venv\Scripts\activate.bat

(venv) C:\Users\Divya\todo_app>python app.py
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 371-819-321
127.0.0.1 - - [20/Jul/2024 13:44:23] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [20/Jul/2024 13:44:23] "GET /static/css/styles.css HTTP/1.1" 404 -
127.0.0.1 - - [20/Jul/2024 13:44:23] "GET /static/js/scripts.js HTTP/1.1" 404 -
127.0.0.1 - - [20/Jul/2024 13:44:24] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [20/Jul/2024 13:44:36] "POST / HTTP/1.1" 200 -
127.0.0.1 - - [20/Jul/2024 13:44:36] "GET /static/css/styles.css HTTP/1.1" 404 -
127.0.0.1 - - [20/Jul/2024 13:44:36] "GET /static/js/scripts.js HTTP/1.1" 404 -
127.0.0.1 - - [20/Jul/2024 13:44:48] "POST / HTTP/1.1" 200 -
127.0.0.1 - - [20/Jul/2024 13:44:48] "GET /static/css/styles.css HTTP/1.1" 404 -
127.0.0.1 - - [20/Jul/2024 13:44:48] "GET /static/js/scripts.js HTTP/1.1" 404 -
```

Open the link in browser

<http://127.0.0.1:5000/>

Student Information

Student ID:

Course Name:

Action:

Enroll ▾

Submit

Courses for Student ID: 123

Not enrolled in course: physics