

ADVANCE PYTHON PROGRAMMING

LAB ASSIGNMENT- 23

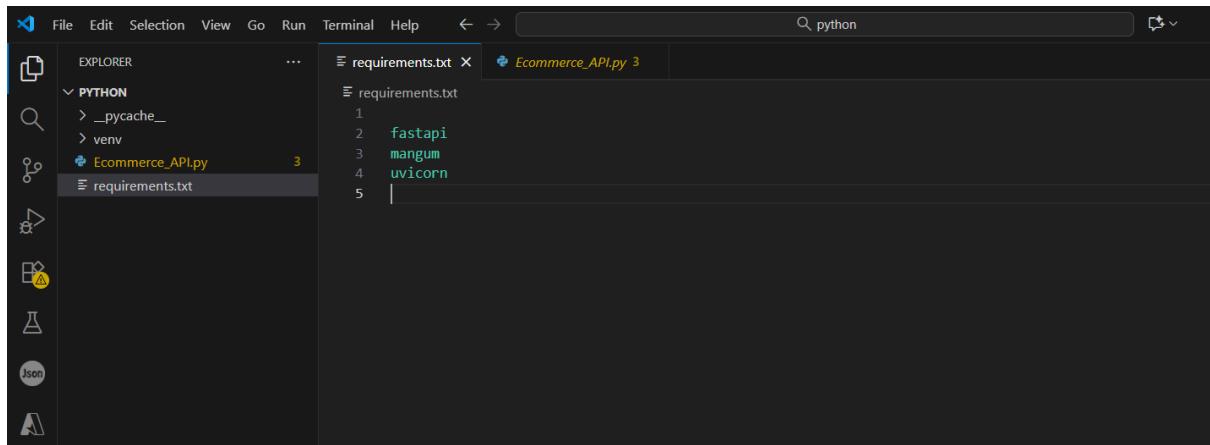
FASTAPI – CLOUD INTEGRATION

G REENA SRI

22MID0009

```
requirements.txt | Ecommerce_API.py 3 ×
↳ Ecommerce_API.py > add_to_cart
1 from fastapi import FastAPI, HTTPException, Request
2 from fastapi.middleware.cors import CORSMiddleware
3 from mangum import Mangum
4 import random
5
6 app = FastAPI(title="E-Commerce API", version="1.0")
7
8 # 🎁 Add CORS middleware before any routes
9 app.add_middleware(
10     CORSMiddleware,
11     allow_origins=["*"],
12     allow_credentials=True,
13     allow_methods=["*"],
14     allow_headers=["*"],
15 )
16
17 # --- API endpoint: E-Commerce ---
18 @app.post("/discount_vendor_info")
19 async def add_to_cart(request: Request):
20     try:
21         data = await request.json()
22         print("👉 Received data:", data)
23
24         # Expecting { "product_id": 1, "name": "Product Name", "price": 499 }
25         product_id = data.get("product_id")
26         name = data.get("name")
27         price = data.get("price")
28
29         if not all([product_id, name, price]):
30             raise HTTPException(status_code=400, detail="Missing product details")
31
32         # Simulate discount and vendor
33         discount = random.choice([0, 5, 10, 15, 20])
34         vendor = random.choice(["TechWorld", "ShopEase", "ElectroMart", "MegaDeals"])
35
36         if discount > 0:
37             message = f"[discount]% discount available from {vendor} for {name}."
```

```
↳ Ecommerce_API.py > add_to_cart
19 async def add_to_cart(request: Request):
20     try:
21         data = await request.json()
22         print("👉 Received data:", data)
23
24         # Expecting { "product_id": 1, "name": "Product Name", "price": 499 }
25         product_id = data.get("product_id")
26         name = data.get("name")
27         price = data.get("price")
28
29         if not all([product_id, name, price]):
30             raise HTTPException(status_code=400, detail="Missing product details")
31
32         # Simulate discount and vendor
33         discount = random.choice([0, 5, 10, 15, 20])
34         vendor = random.choice(["TechWorld", "ShopEase", "ElectroMart", "MegaDeals"])
35
36         if discount > 0:
37             message = f"[discount]% discount available from {vendor} for {name}."
38         else:
39             message = f"No current discounts for {name}."
40
41     return {"message": message}
42
43 except Exception as e:
44     raise HTTPException(status_code=500, detail=f"Processing failed: {str(e)}")
45
46
47 # --- AWS Lambda handler ---
48 lambda_handler = Mangum(app)
```



```
PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS AZURE
powershell + □ ■ ... []

PS D:\Downloads\python> python -m pip install -r requirements.txt
Defaulting to user installation because normal site-packages is not writeable
Collecting fastapi (from -r requirements.txt (line 2))
  Downloading fastapi-0.121.0-py3-none-any.whl.metadata (28 kB)
Collecting mangum (from -r requirements.txt (line 3))
  Downloading mangum-0.19.0-py3-none-any.whl.metadata (3.6 kB)
Collecting uvicorn (from -r requirements.txt (line 4))
  Downloading uvicorn-0.38.0-py3-none-any.whl.metadata (6.8 kB)
Collecting starlette<0.50.0,>=0.40.0 (from fastapi->-r requirements.txt (line 2))
  Downloading starlette-0.49.3-py3-none-any.whl.metadata (6.4 kB)
Requirement already satisfied: pydantic!=1.8,!<1.8.1,!<2.0.0,!<2.0.1,!<2.1.0,<3.0.0,>=1.7.4 in c:\users\anushree\appdata\roaming\python311\site-packages (from fastapi->-r requirements.txt (line 2)) (2.12.3)
Requirement already satisfied: typing-extensions>=4.8.0 in c:\program files\python311\lib\site-packages (from fastapi->-r requirements.txt (line 2)) (4.14.1)
Collecting annotated-doc>=0.0.2 (from fastapi->-r requirements.txt (line 2))
  Downloading annotated_doc-0.0.3-py3-none-any.whl.metadata (6.6 kB)
Requirement already satisfied: annotated-types>=0.6.0 in c:\users\anushree\appdata\roaming\python\python311\site-packages (from fastapi->-r requirements.txt (line 2)) (0.7.0)
Requirement already satisfied: pydantic-core==2.41.4 in c:\users\anushree\appdata\roaming\python\python311\site-packages (from fastapi->-r requirements.txt (line 2)) (2.41.4)
Requirement already satisfied: typing-inspection>=0.4.2 in c:\users\anushree\appdata\roaming\python\python311\site-packages (from fastapi->-r requirements.txt (line 2)) (0.4.2)
Requirement already satisfied: aiohttp<5,>=3.6.2 in c:\program files\python311\lib\site-packages (from starlette<0.50.0,>=0.40.0->-r requirements.txt (line 2)) (4.9.0)
Requirement already satisfied: idna>=2.8 in c:\program files\python311\lib\site-packages (from anyio<5,>=3.6.2->starlette<0.50.0,>=0.40.0->-r requirements.txt (line 2)) (4.16.0)
Requirement already satisfied: colorama in c:\program files\python311\lib\site-packages (from click>=7.0->uvicorn->-r requirements.txt (line 4)) (0.4.6)
  Downloading fastapi-0.121.0-py3-none-any.whl (109 kB)
  Downloading starlette-0.49.3-py3-none-any.whl (74 kB)
  Downloading mangum-0.19.0-py3-none-any.whl (17 kB)
  Downloading uvicorn-0.38.0-py3-none-any.whl (68 kB)
  Downloading annotated_doc-0.0.3-py3-none-any.whl (5.5 kB)
  Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.
Successfully installed annotated-doc-0.0.3 fastapi-0.121.0 mangum-0.19.0 starlette-0.49.3 uvicorn-0.38.0

[notice] A new release of pip is available: 22.3 -> 25.3
[notice] To update, run: python.exe -m pip install --upgrade pip
PS D:\Downloads\python> uvicorn ECommerce_API:app --reload
```

```

[notice] A new release of pip is available: 22.3 -> 25.3
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PS D:\Downloads\python> uvicorn ECommerce_API:app --reload
uvicorn : The term 'uvicorn' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the
uvicorn : The term 'uvicorn' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the

spelling of the name, or if a path was included, verify that the path is correct and try again.
At line:1 char:1
+ uvicorn ECommerce_API:app --reload
At line:1 char:1
+ uvicorn ECommerce_API:app --reload
+ uvicorn ECommerce_API:app --reload
+ ~~~~~
+ ~~~~~
    + CategoryInfo          : ObjectNotFound: (uvicorn:String) [], CommandNotFoundException
    + FullyQualifiedErrorId : CommandNotFoundException

PS D:\Downloads\python> []

```

Error: Unicorn is not recognized, therefore virtual environment is created.

```

PS D:\Downloads\python> python -m pip install -r requirements.txt

[notice] A new release of pip is available: 22.3 -> 25.3
[notice] To update, run: python.exe -m pip install --upgrade pip
PS D:\Downloads\python> uvicorn ECommerce_API:app --reload
uvicorn : The term 'uvicorn' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the
the spelling of the name, or if a path was included, verify that the path is correct and try again.
At line:1 char:1
+ uvicorn ECommerce_API:app --reload
+ ~~~~~
    + CategoryInfo          : ObjectNotFound: (uvicorn:String) [], CommandNotFoundException
    + FullyQualifiedErrorId : CommandNotFoundException

PS D:\Downloads\python> python -m venv venv
PS D:\Downloads\python> venv\Scripts\activate
(venv) PS D:\Downloads\python> python -m pip install -r requirements.txt
● Collecting fastapi (from -r requirements.txt (line 2))
  Downloading fastapi-0.121.0-py3-none-any.whl (109 kB)
      109.2/109.2 kB 186.0 kB/s eta 0:00:00
Collecting mangum (from -r requirements.txt (line 3))
  Downloading mangum-0.19.0-py3-none-any.whl (17 kB)
Collecting uvicorn (from -r requirements.txt (line 4))
  Downloading uvicorn-0.38.0-py3-none-any.whl (68 kB)
      68.1/68.1 kB 148.0 kB/s eta 0:00:00
Collecting starlette<0.50.0,>=0.40.0 (from fastapi->-r requirements.txt (line 2))

+ uvicorn ECommerce_API:app --reload
PS D:\Downloads\python> python -m venv venv
PS D:\Downloads\python> venv\Scripts\activate
(venv) PS D:\Downloads\python> python -m pip install -r requirements.txt
● Collecting fastapi (from -r requirements.txt (line 2))
  Downloading fastapi-0.121.0-py3-none-any.whl (109 kB)
      109.2/109.2 kB 186.0 kB/s eta 0:00:00
Collecting mangum (from -r requirements.txt (line 3))
  Downloading mangum-0.19.0-py3-none-any.whl (17 kB)
Collecting uvicorn (from -r requirements.txt (line 4))
  Downloading uvicorn-0.38.0-py3-none-any.whl (68 kB)
      68.1/68.1 kB 148.0 kB/s eta 0:00:00
Collecting starlette<0.50.0,>=0.40.0 (from fastapi->-r requirements.txt (line 2))
  Downloading starlette-0.49.3-py3-none-any.whl (74 kB)
      74.3/74.3 kB 205.4 kB/s eta 0:00:00
Collecting pydantic!=1.8,!>1.8.1,!>2.0.0,!>2.0.1,!>2.1.0,<3.0.0,>=1.7.4 (from fastapi->-r requirements.txt (line 2))
  Downloading pydantic-2.12.4-py3-none-any.whl (463 kB)
      463.4/463.4 kB 128.3 kB/s eta 0:00:00
Collecting typing-extensions>=4.8.0 (from fastapi->-r requirements.txt (line 2))
  Downloading typing_extensions-4.15.0-py3-none-any.whl (44 kB)
      44.6/44.6 kB 365.7 kB/s eta 0:00:00
Collecting annotated-doc>=0.0.2 (from fastapi->-r requirements.txt (line 2))
  Downloading annotated_doc-0.0.3-py3-none-any.whl (5.5 kB)
Collecting click>=7.0 (from uvicorn->-r requirements.txt (line 4))
  Downloading click-8.3.0-py3-none-any.whl (107 kB)

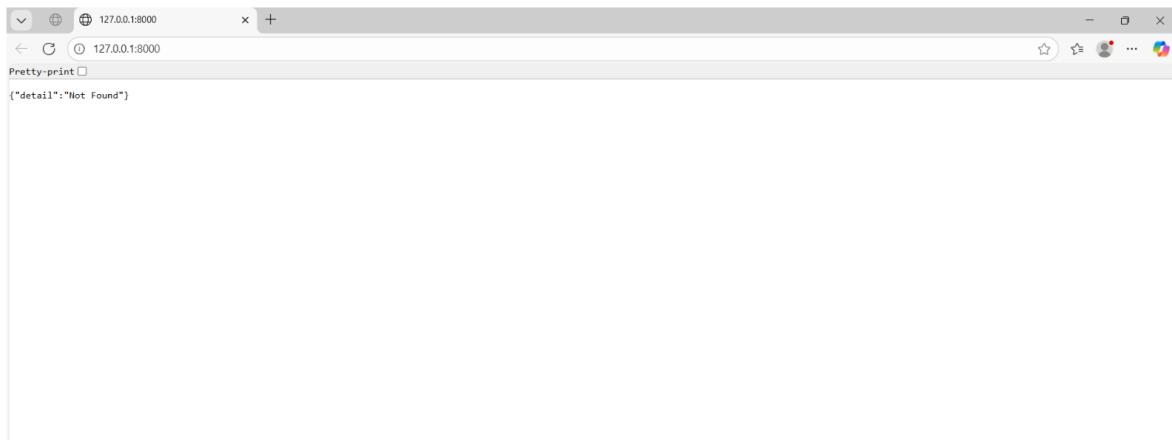
```

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS AZURE
```

```
Collecting fastapi (from -r requirements.txt (line 2))
  Downloading fastapi-0.121.0-py3-none-any.whl (107.3/107.3 kB 159.4 kB/s eta 0:00:00)
Collecting h11>=0.8 (from uvicorn->-r requirements.txt (line 4))
  Downloading h11-0.16.0-py3-none-any.whl (37 kB)
Collecting colorama (from click>=7.0->uvicorn->-r requirements.txt (line 4))
  Downloading colorama-0.4.6-py2.py3-none-any.whl (25 kB)
Collecting annotated-types>=0.6.0 (from pydantic!=1.8,>=1.8.1,>=2.0.0,>=2.0.1,>=2.1.0,<3.0.0,>=1.7.4->fastapi->-r requirements.txt (line 2))
  Downloading annotated_types-0.7.0-py3-none-any.whl (13 kB)
Collecting pydantic-core==2.41.5 (from pydantic!=1.8,>=1.8.1,>=2.0.0,>=2.0.1,>=2.1.0,<3.0.0,>=1.7.4->fastapi->-r requirements.txt (line 2))
  Downloading pydantic_core-2.41.5-cp311-cp311-win_amd64.whl (2.0 MB)
Collecting typing-inspection>=0.4.2 (from pydantic!=1.8,>=1.8.1,>=2.0.0,>=2.0.1,>=2.1.0,<3.0.0,>=1.7.4->fastapi->-r requirements.txt (line 2))
  Downloading typing_inspection-0.4.2-py3-none-any.whl (14 kB)
Collecting anyio<5,>=3.6.2 (from starlette<0.50.0,>=0.40.0->fastapi->-r requirements.txt (line 2))
  Downloading anyio-4.11.0-py3-none-any.whl (109 kB)
Collecting idna>=2.8 (from anyio<5,>=3.6.2->starlette<0.50.0,>=0.40.0->fastapi->-r requirements.txt (line 2))
  Downloading idna-3.11-py3-none-any.whl (71 kB)
  71.0/71.0 kB 434.1 kB/s eta 0:00:00
Collecting sniffio>=1.1 (from anyio<5,>=3.6.2->starlette<0.50.0,>=0.40.0->fastapi->-r requirements.txt (line 2))
  Downloading sniffio-1.3.1-py3-none-any.whl (10 kB)
Installing collected packages: typing-extensions, sniffio, idna, h11, colorama, annotated-types, annotated-doc, typing-inspection, pydantic-core, mangum, click, anyio, uvicorn, starlette, pydantic, fastapi
Successfully installed annotated-doc-0.0.3 annotated-types-0.7.0 anyio-4.11.0 click-8.3.0 colorama-0.4.6 fastapi-0.121.0 h11-
```

```
PROBLEMS 8 OUTPUT DEBUG CONSOLE TERMINAL PORTS AZURE uvicorn + - ... |  
Collecting fastapi (from -r requirements.txt (line 2))  
  
[notice] A new release of pip is available: 23.1.2 -> 25.3  
[notice] To update, run: python.exe -m pip install --upgrade pip  
(venv) PS D:\Downloads\python> uvicorn ECommerce_API:app --reload  
INFO: Will watch for changes in these directories: ['D:\\Downloads\\python']  
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)  
INFO: Started reloader process [5128] using StatReload  
ERROR: Error loading ASGI app. Could not import module "ECommerce_API".  
ERROR: Error loading ASGI app. Could not import module "ECommerce_API".  
INFO: Stopping reloader process [5128]  
(venv) PS D:\Downloads\python> uvicorn Ecommerce_API:app --reload  
INFO: Will watch for changes in these directories: ['D:\\Downloads\\python']  
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)  
INFO: Started reloader process [14824] using StatReload  
INFO: Started server process [1252]  
INFO: Waiting for application startup.  
INFO: Application startup complete.  
INFO: 127.0.0.1:3826 - "GET / HTTP/1.1" 404 Not Found  
INFO: Application startup complete.  
INFO: 127.0.0.1:3826 - "GET / HTTP/1.1" 404 Not Found  
INFO: 127.0.0.1:3826 - "GET / favicon.ico HTTP/1.1" 404 Not Found  
INFO: 127.0.0.1:3934 - "GET / HTTP/1.1" 404 Not Found  
INFO: 127.0.0.1:3934 - "GET /favicon.ico HTTP/1.1" 404 Not Found
```

```
INFO: Waiting for application startup.
INFO: Application startup complete.
INFO: 127.0.0.1:3826 - "GET / HTTP/1.1" 404 Not Found
INFO: Application startup complete.
INFO: 127.0.0.1:3826 - "GET / HTTP/1.1" 404 Not Found
INFO: 127.0.0.1:3826 - "GET / HTTP/1.1" 404 Not Found
INFO: 127.0.0.1:3826 - "GET /favicon.ico HTTP/1.1" 404 Not Found
INFO: 127.0.0.1:3934 - "GET / HTTP/1.1" 404 Not Found
INFO: 127.0.0.1:3934 - "GET /favicon.ico HTTP/1.1" 404 Not Found
INFO: 127.0.0.1:3934 - "GET / HTTP/1.1" 404 Not Found
INFO: 127.0.0.1:3934 - "GET /favicon.ico HTTP/1.1" 404 Not Found
INFO: 127.0.0.1:3934 - "GET /favicon.ico HTTP/1.1" 404 Not Found
INFO: 127.0.0.1:3956 - "GET / HTTP/1.1" 404 Not Found
INFO: 127.0.0.1:3956 - "GET / HTTP/1.1" 404 Not Found
INFO: 127.0.0.1:4031 - "GET /docs HTTP/1.1" 200 OK
INFO: 127.0.0.1:4062 - "GET /openapi.json HTTP/1.1" 200 OK
INFO: 127.0.0.1:4078 - "POST /discount_vendor_info HTTP/1.1" 500 Internal Server Error
```



127.0.0.1.8000/docs has to be typed to get the website

```
PS D:\Downloads\python> python -m pip install -r requirements.txt
[notice] A new release of pip is available: 22.3 -> 25.3
[notice] To update, run: python.exe -m pip install --upgrade pip
PS D:\Downloads\python> unicorn Ecommerce_API:app --reload
unicorn : The term 'unicorn' is not recognized as the name of a cmdlet, function, script file, or operable program. Check
+ unicorn Ecommerce_API:app --reload
+ CategoryInfo          : ObjectNotFound: (unicorn:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

PS D:\Downloads\python> python -m venv venv
Error: [Errno 13] Permission denied: 'D:\\Downloads\\python\\venv\\Scripts\\python.exe'
PS D:\Downloads\python> python -m venv venv
Error: [Errno 13] Permission denied: 'D:\\Downloads\\python\\venv\\Scripts\\python.exe'
PS D:\Downloads\python> unicorn ECommerce API:app --reload
unicorn : The term 'unicorn' is not recognized as the name of a cmdlet, function, script file, or operable program. Check
@ the spelling of the name, or if a path was included, verify that the path is correct and try again.
@ At line:1 char:1
@ + unicorn ECommerce_API:app --reload
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (unicorn:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

PS D:\Downloads\python> venv\Scripts\activate
(venv) PS D:\Downloads\python> python -m venv venv
```

Re-running the commands

```
+ unicorn ECommerce_API:app --reload
(venv) PS D:\Downloads\python> python -m venv venv
Error: [Errno 13] Permission denied: 'D:\\Downloads\\python\\venv\\Scripts\\python.exe'
● (venv) PS D:\Downloads\python> python -m pip install -r requirements.txt
● Requirement already satisfied: fastapi in d:\\downloads\\python\\venv\\lib\\site-packages (from -r requirements.txt (line 2)) (0.1
21.0)
Requirement already satisfied: mangum in d:\\downloads\\python\\venv\\lib\\site-packages (from -r requirements.txt (line 3)) (0.19
.0)
Requirement already satisfied: uvicorn in d:\\downloads\\python\\venv\\lib\\site-packages (from -r requirements.txt (line 4)) (0.3
8.0)
Requirement already satisfied: starlette<0.50.0,>=0.40.0 in d:\\downloads\\python\\venv\\lib\\site-packages (from fastapi->-r requ
irements.txt (line 2)) (0.49.3)
Requirement already satisfied: pydantic!=1.8,!>1.8.1,!>2.0.0,!>2.0.1,!>2.1.0,<3.0.0,>=1.7.4 in d:\\downloads\\python\\venv\\lib\\s
ite-packages (from fastapi->-r requirements.txt (line 2)) (2.12.4)
Requirement already satisfied: typing-extensions>=4.8.0 in d:\\downloads\\python\\venv\\lib\\site-packages (from fastapi->-r requi
rements.txt (line 2)) (4.15.0)
Requirement already satisfied: annotated-doc>=0.0.2 in d:\\downloads\\python\\venv\\lib\\site-packages (from fastapi->-r requireme
nts.txt (line 2)) (0.0.3)
Requirement already satisfied: click>=7.0 in d:\\downloads\\python\\venv\\lib\\site-packages (from unicorn->-r requirements.txt (l
ine 1))
Requirement already satisfied: h11>=0.8 in d:\\downloads\\python\\venv\\lib\\site-packages (from unicorn->-r requirements.txt (lin
e 4)) (0.16.0)
Requirement already satisfied: colorama in d:\\downloads\\python\\venv\\lib\\site-packages (from click>=7.0->unicorn->-r requireme
nts.txt (line 4)) (0.4.6)
Requirement already satisfied: annotated-types>=0.6.0 in d:\\downloads\\python\\venv\\lib\\site-packages (from pydantic!=1.8,!>1.8
Requirement already satisfied: pydantic-core==2.41.5 in d:\\downloads\\python\\venv\\lib\\site-packages (from pydantic!=1.8,!>1.8.
```

```

Requirement already satisfied: fastapi in d:\downloads\python\venv\lib\site-packages (from -r requirements.txt (line 2)) (0.1.1)

[notice] A new release of pip is available: 23.1.2 -> 25.3
[notice] To update, run: python.exe -m pip install --upgrade pip
(venv) PS D:\Downloads\python> uvicorn ECommerce_API:app --reload
● (venv) PS D:\Downloads\python> uvicorn ECommerce_API:app --reload
INFO: Will watch for changes in these directories: ['D:\\Downloads\\python']
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: Started reloader process [11572] using StatReload
ERROR: Error loading ASGI app. Could not import module "ECommerce_API".
○ INFO: Stopping reloader process [11572]
ERROR: Error loading ASGI app. Could not import module "ECommerce_API".
INFO: Stopping reloader process [11572]
INFO: Stopping reloader process [11572]
(venv) PS D:\Downloads\python> uvicorn Ecommerce_API:app --reload
INFO: Will watch for changes in these directories: ['D:\\Downloads\\python']
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: Will watch for changes in these directories: ['D:\\Downloads\\python']
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: Started reloader process [4768] using StatReload
INFO: Started reloader process [4768] using StatReload
INFO: Started server process [14344]
INFO: Waiting for application startup.
INFO: Application startup complete.

```

E-Commerce API 1.0 

[/openapi.json](#)

default

POST /discount_vendor_info Add To Cart

Parameters

No parameters

Responses

Curl

```
curl -X 'POST' \
'http://127.0.0.1:8000/discount_vendor_info' \
-H 'accept: application/json' \
-d ''
```

Request URL

http://127.0.0.1:8000/discount_vendor_info

Server response

Code Details

500 Undocumented Error: Internal Server Error

Response body

```
{
  "detail": "Processing failed: Expecting value: line 1 column 1 (char 0)"
}
```

Response headers

```
access-control-allow-credentials: true
access-control-allow-origin: *
content-length: 73
content-type: application/json
date: Fri, 07 Nov 2023 05:39:09 GRT
server: uvicorn
```

Responses

Code	Description	Links
200	Successful Response	No links

Media type

application/json

Controls Accept header.

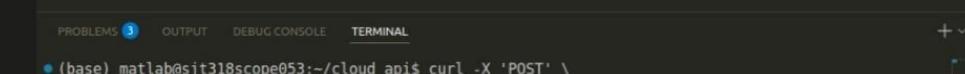
Example Value | Schema

```
"string"
```

```
PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS AZURE powershell + × ☰ ...  
PS D:\Downloads\python> Invoke-RestMethod -Uri "http://127.0.0.1:8080/discount&_vendor_info"  
-> Method POST  
-> Headers @{ "Content-Type" = "application/json" }  
-> Body {"product_id": 1, "name": "Beige Living Room Sofa", "price": 499}  
Invoke-RestMethod : Unable to connect to the remote server  
At line:1 char:1  
+ Invoke-RestMethod -Uri "http://127.0.0.1:8080/discount&_vendor_info" ...  
+ ~~~~~  
+ CategoryInfo          : ObjectNotFound: (Invoke-RestMethod:WebException)  
PS D:\Downloads\python> curl -X 'POST' \n on,Microsoft.PowerShell.Commands.InvokeRestMethodCommand  
-> 'http://127.0.0.1:8000/discount_vendor_info' \  
-> -H 'accept: application/json' \  
-> -d '{ "product_id": 1, "name": "Product Name", "price": 499 }'  
At line:2 char:48  
+   'http://127.0.0.1:8000/discount_vendor_info' \  
+   ~  
Unexpected token '\' in expression or statement.  
+ CategoryInfo          : ParserError: (), [], ParentContainsErrorRecordException  
+ FullyQualifiedErrorId : UnexpectedToken  
PS D:\Downloads\python> [ ]
```

Error: Docker not supported;

Expected output:



The screenshot shows a terminal window in VS Code with the following content:

```
(base) matlab@sjt318scope053:~/cloud_api$ curl -X 'POST' \
  'http://127.0.0.1:8000/discount_vendor_info' \
  -H 'accept: application/json' \
  -d '{ "product_id": 1, "name": "Product Name", "price": 499 }'
{"message":"10% discount available from ElectroMart for Product Name."}(base) matlab@sjt318scope053:~/

```

The terminal tab is selected at the top. The right sidebar shows two terminal sessions: one for bash and one for Python ...