

Visual Studio Code interface showing a Python FastAPI application named **FeatureRichPlatform**.

EXPLORER (Left Panel):

- FeatureRichPlatform
 - __pycache__
 - app.cpython-313.pyc
 - auth.cpython-313.pyc
 - database.cpython-313.pyc
 - flask_app.cpython-313.pyc
 - models.cpython-313.pyc
 - routes.cpython-313.pyc
 - instance
 - sales_analytics.db
 - static
 - app.js
 - style.css
 - templates
 - index.html
 - app.py
 - asgi.py
 - auth.py
 - database.py
 - flask_app.py
 - main.py
 - models.py
 - pyproject.toml
 - routes.py
 - sales_analytics.db
 - seed_users.py
 - start_server.py
 - utils.py
 - uv.lock
 - wsgi.py

FeatureRichPlatform > app.py (Editor):

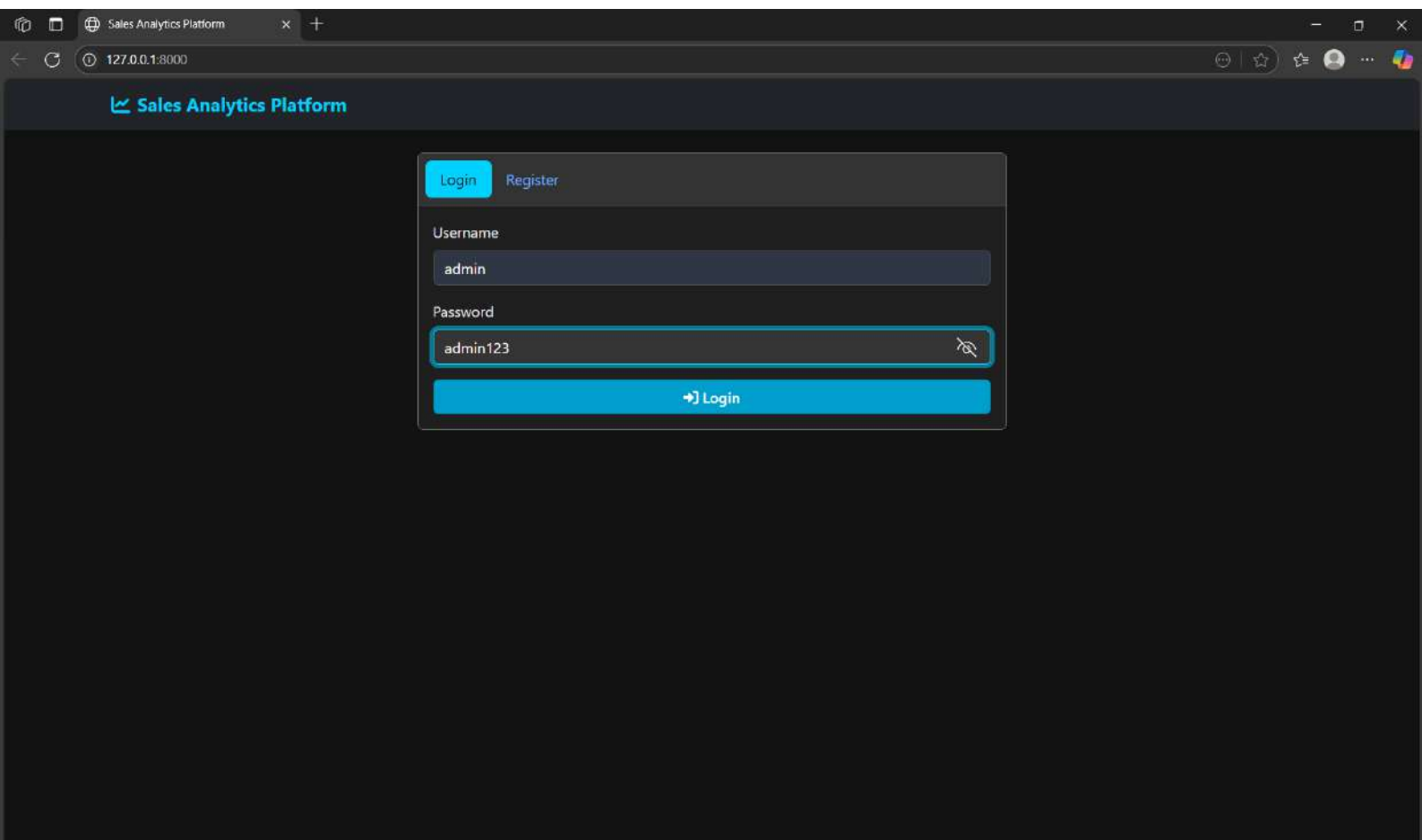
```
1 from fastapi import FastAPI, HTTPException, Depends, UploadFile, File, Query, Request
2 from fastapi.security import HTTPBearer, HTTPAuthorizationCredentials
3 from fastapi.staticfiles import StaticFiles
4 from fastapi.templating import Jinja2Templates
5 from fastapi.responses import HTMLResponse
6 from sqlalchemy.orm import Session
7 import os
8 from database import get_db, engine
9 import models
10 from routes import router
11 from auth import get_current_user
12
13 # Create database tables
14 models.Base.metadata.create_all(bind=engine)
15
16 app = FastAPI(title="Sales Analytics Platform", version="1.0.0")
17
18 # Mount static files and templates
19 app.mount("/static", StaticFiles(directory="static"), name="static")
20 templates = Jinja2Templates(directory="templates")
21
22 # Include API routes
23 app.include_router(router, prefix="/api")
24
25 @app.get("/", response_class=HTMLResponse)
26 async def read_root(request: Request):
27     """Serve the main application interface"""
28     return templates.TemplateResponse("index.html", {"request": request})
```

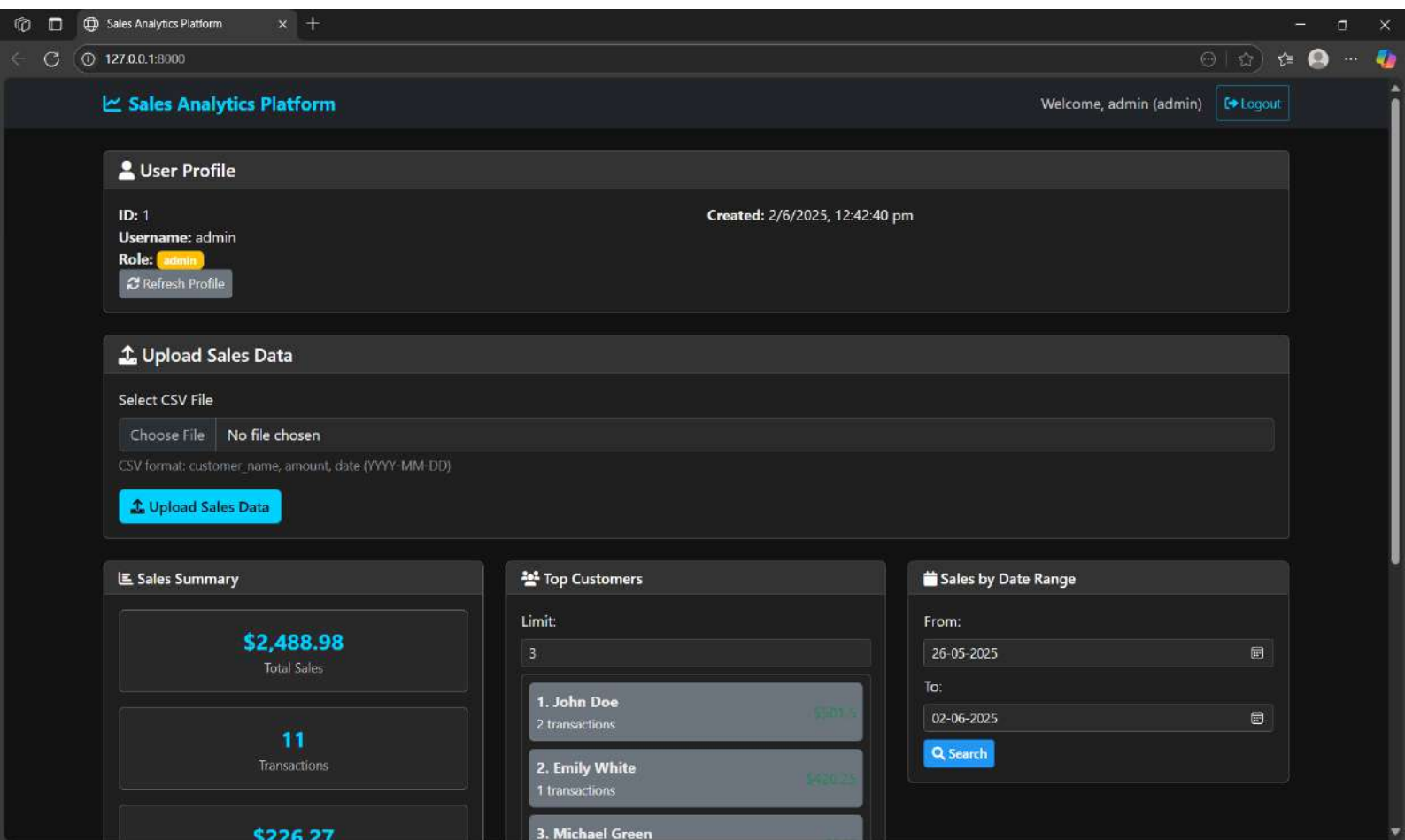
TERMINAL (Bottom Panel):

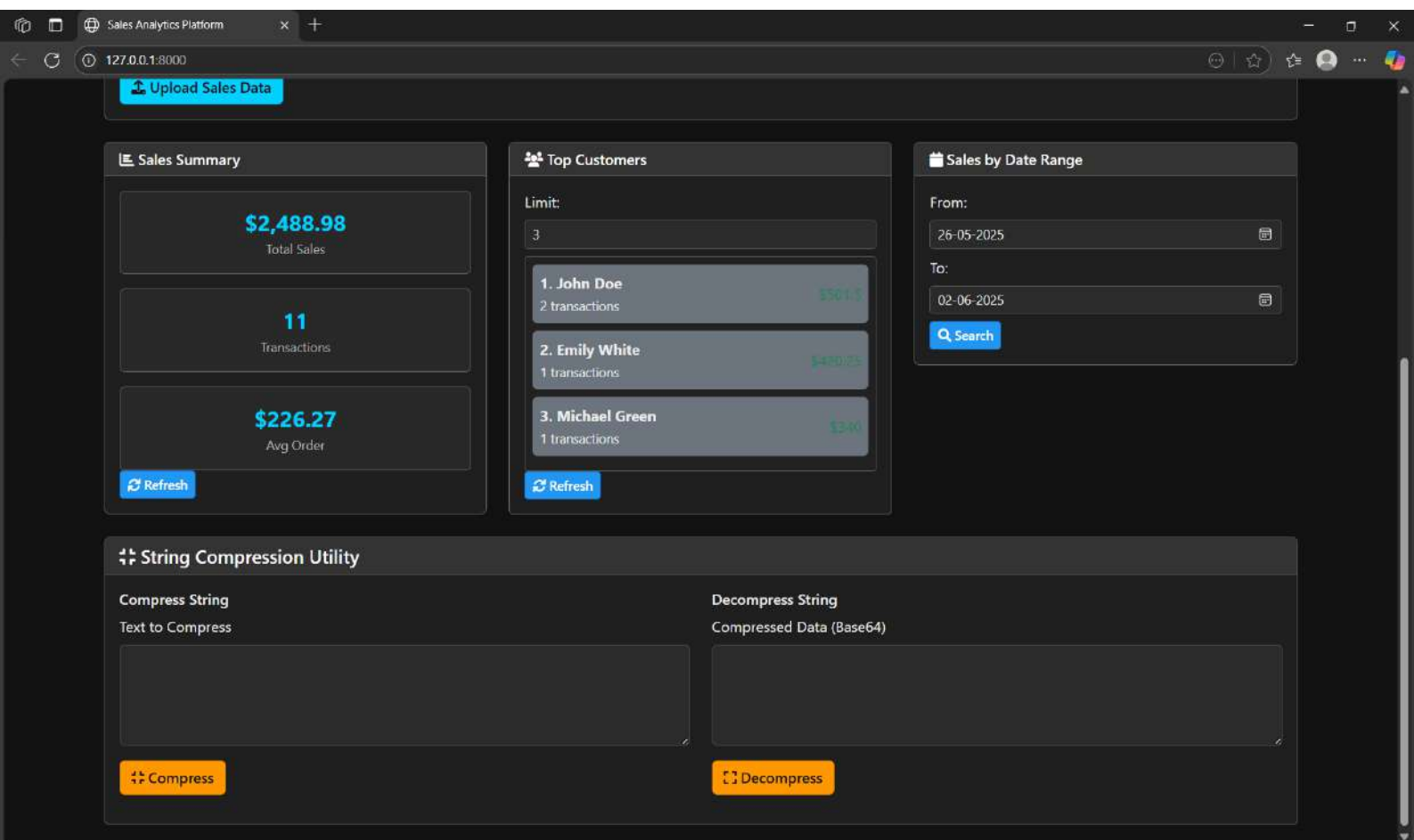
```
PS C:\Users\Prashanth\Downloads\FeatureRichPlatform> cd FeatureRichPlatform
PS C:\Users\Prashanth\Downloads\FeatureRichPlatform\FeatureRichPlatform> uvicorn app:app --reload
INFO: Will watch for changes in these directories: ['C:\Users\Prashanth\Downloads\FeatureRichPlatform\FeatureRichPlatform']
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: Started reloader process [14468] using StatReload
INFO: Started server process [9084]
INFO: Waiting for application startup.
INFO: Application startup complete.
```

STATUS BAR (Bottom):

main* 0 0 0 | ceboto1855 (1 day ago) | Ln 20, Col 51 | Spaces: 4 | UTF-8 | LF | Python | 3.13.3 | Prettier







🚀 String Compression Utility

Compress String

Text to Compress

Hello World

🚀 Compress

Compression Result

Original Size: 11 bytes

Compressed Size: 19 bytes

Compression Ratio: -72.73%

Compressed Data (Base64):

eJzzSM3JyVcIzy/KSQEAGAsEHQ==

📋 Copy Compressed Data

Decompress String

Compressed Data (Base64)

eJzzSM3JyVcIzy/KSQEAGAsEHQ==

🚀 Decompress

Decompression Result

Original Size: 11 bytes

Decompressed Text:

Hello World

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FeatureRichPlatform > app.py > ...

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TERMINAL:

```
PS C:\Users\Prashanth\Downloads\FeatureRichPlatform> cd FeatureRichPlatform
PS C:\Users\Prashanth\Downloads\FeatureRichPlatform\FeatureRichPlatform> uvicorn app:app --reload
INFO: Will watch for changes in these directories: ['C:\Users\Prashanth\Downloads\FeatureRichPlatform\FeatureRichPlatform']
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: Started reloader process [5028] using StatReload
INFO: Started server process [6404]
INFO: Waiting for application startup.
INFO: Application startup complete.
INFO: 127.0.0.1:57829 - "GET / HTTP/1.1" 200 OK
INFO: 127.0.0.1:57830 - "POST /api/login HTTP/1.1" 200 OK
INFO: 127.0.0.1:57830 - "GET /api/profile HTTP/1.1" 200 OK
INFO: 127.0.0.1:57832 - "GET /api/analytics/summary HTTP/1.1" 200 OK
INFO: 127.0.0.1:57833 - "GET /api/analytics/top-customers?limit=3 HTTP/1.1" 200 OK
```

STATUS BAR: cebrato1855 (1 day ago) Ln 20, Col 51 Spaces: 4 UTF-8 LF Python 3.13.3 Prettier

FeatureRichPlatform

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FeatureRichPlatform > app.py > ...

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27     """serve the main application interface"""
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```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS SQL HISTORY TASK MONITOR

INFO: Application startup complete.

INFO: 127.0.0.1:57829 - "GET / HTTP/1.1" 200 OK

INFO: 127.0.0.1:57830 - "POST /api/login HTTP/1.1" 200 OK

INFO: 127.0.0.1:57830 - "GET /api/profile HTTP/1.1" 200 OK

INFO: 127.0.0.1:57832 - "GET /api/analytics/summary HTTP/1.1" 200 OK

INFO: 127.0.0.1:57833 - "GET /api/analytics/top-customers?limit=3 HTTP/1.1" 200 OK

INFO: 127.0.0.1:57835 - "POST /api/upload-sales HTTP/1.1" 200 OK

INFO: 127.0.0.1:57836 - "GET /api/analytics/top-customers?limit=3 HTTP/1.1" 200 OK

INFO: 127.0.0.1:57835 - "GET /api/analytics/summary HTTP/1.1" 200 OK

INFO: 127.0.0.1:57845 - "POST /api/compress-string HTTP/1.1" 200 OK

INFO: 127.0.0.1:57846 - "GET /api/analytics/summary HTTP/1.1" 200 OK

INFO: 127.0.0.1:57846 - "GET /api/analytics/top-customers?limit=3 HTTP/1.1" 200 OK

main* 0 0 0

ceboto1855 (1 day ago) Ln 20, Col 51 Spaces: 4 UTF-8 LF {} Python 3.13.3 Prettier