

A screenshot of the Visual Studio Code (VS Code) interface. The title bar shows the file path: C:\Users\...\\Task\\meialhan\\billing\_system. The left sidebar (Explorer) lists the project structure under 'BILLING SYSTEM': app, venv, billing.db, frontend.html, pc.json, README.md (which is selected), and requirements.txt. The main editor area displays the contents of README.md, which contains instructions for a Billing System using FastAPI, including installation via pip, running the application with uvicorn, and API documentation at http://127.0.0.1:8000/docs. Below the editor, the terminal tab is active, showing the command uvicorn app.main:app --reload and its output: Uvicorn is running on http://127.0.0.1:8000 (Press CTRL+C to quit). The status bar at the bottom indicates the current line (Ln 12, Col 1), character count (Spaces: 4), encoding (UTF-8), line endings (CRLF), and file type (Markdown). A quota warning (Quota reached) is also visible.

```
① README.md X
① README.md > # Billing System - FastAPI > ## API Docs
1  # Billing System - FastAPI
2
3  ## Install
4
5  pip install -r requirements.txt
6
7  ## Run
8
9  uvicorn app.main:app --reload
10
11 ## API Docs
12 |
13 http://127.0.0.1:8000/docs
14
15 ## Database
16
17 SQLite file: billing.db (auto created)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL AZURE PORTS
```

```
○ (venv) PS C:\Users\...\\Task\\meialhan\\billing_system> uvicorn app.main:app --reload
INFO: Will watch for changes in these directories: ['C:\\\\Users\\\\Dell 7490\\\\Downloads\\\\Task\\\\meialhan\\\\billing_system']
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: Started reloader process [5024] using StatReload
INFO: Started server process [20144]
INFO: Waiting for application startup.
INFO: Application startup complete.
```

Ln 12, Col 1 Spaces: 4 UTF-8 CRLF { } Markdown Quota reached Go Live

Billing System API - Swagger UI +/-

127.0.0.1:8000/docs Open in app Star Share Print Copy More

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# Billing System API 0.1.0 OAS 3.1

/openapi.json

## default

GET /products List Products

POST /products Create Product

POST /generate-bill Generate Bill

GET /purchases/{email} Get Purchases

GET /purchase/{purchase\_id} Get Purchase Detail

## Schemas

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Home Workspaces API Network

Search Postman Ctrl K

Invite Settings Notifications Upgrade Development

My Workspace New Import POST Create Product +

Collections + Search collections Billing System - Final

Environments POST Create Product POST Generate Bill With Denominations GET Get Purchase By ID GET Get Purchases By Email

History

Flows SkilFort Sales App

Files BETA

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HTTP Billing System - Final / Create Product

POST http://127.0.0.1:8000/products

Send Docs Params Authorization Headers (10) Body Scripts Settings Cookies Schema Beautify

Body (raw) JSON

```
1 {  
2   "name": "Product A",  
3   "stock": 100,  
4   "price": 100,  
5   "tax_percent": 10  
6 }
```

200 OK 86 ms 197 B Save Response

Body Cookies (1) Headers (4) Test Results

JSON Preview Visualize

```
1 {  
2   "stock": 100,  
3   "price": 100.0,  
4   "tax_percent": 10.0,  
5   "name": "Product A",  
6   "id": 1  
7 }
```

Home Workspaces API Network

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My Workspace New Import

Collections + Search collections

Billing System - Final

- POST Create Product
- POST Generate Bill With Denominations
- GET Get Purchase By ID
- GET Get Purchases By Email

SkilFort Sales App

HTTP Billing System - Final / Generate Bill With Denominations

POST http://127.0.0.1:8000/generate-bill

Send

Docs Params Authorization Headers (10) Body Scripts Settings Cookies

Body (raw) JSON Schema Beautify

```
1 {  
2   "customer_email": "test@gmail.com",  
3   "items": [  
4     { "product_id": 1, "quantity": 2 }  
5   ],  
6   "paid_amount": 1000,  
7   "denominations": {  
8     "500": 5,  
9     "50": 5,  
10    "20": 5,  
11    "10": 5,  
12    "5": 5,  
13    "2": 5  
14  }  
15}
```

200 OK 49 ms 205 B Save Response

Body Cookies (1) Headers (4) Test Results

Body JSON Preview Visualize

```
1 {  
2   "purchase_id": 1,  
3   "balance": 780.0,  
4 }
```

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Billing System - Final

- POST Create Product
- POST Generate Bill With Denominations
- GET Get Purchase By ID
- GET Get Purchases By Email

SkilFort Sales App

HTTP Billing System - Final / Get Purchase By ID

Save Share

Send

Docs Params Authorization Headers (7) Body Scripts Settings Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body Cookies (1) Headers (4) Test Results

200 OK 8 ms 256 B Save Response

{ } JSON Preview Visualize

```
1 [  
2 {  
3   "product_id": 1,  
4   "purchase_id": 1,  
5   "unit_price": 100.0,  
6   "tax_amount": 20.0,  
7   "quantity": 2,  
8   "id": 1,
```

Cloud View Find and replace Console Terminal Import Complete

Postbot Runner Start Proxy Cookies Vault Trash

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Home Workspaces API Network

Search Postman Ctrl K

Invite Settings Notifications Upgrade Development

My Workspace New Import

POST Create Product GET Get Purchase By ID GET Get Purchases By Email POST Generate Bill With [ + ] Development

Collections + Search collections Billing System - Final

Environments POST Create Product POST Generate Bill With Denominations

History GET Get Purchase By ID

Flows > SkilFort Sales App

Billing System - Final / Get Purchases By Email

Save Share

HTTP GET http://127.0.01:8000/purchases/test@gmail.com Send

Docs Params Authorization Headers (7) Body Scripts Settings Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body Cookies (1) Headers (4) Test Results 200 OK 8 ms 332 B Save Response

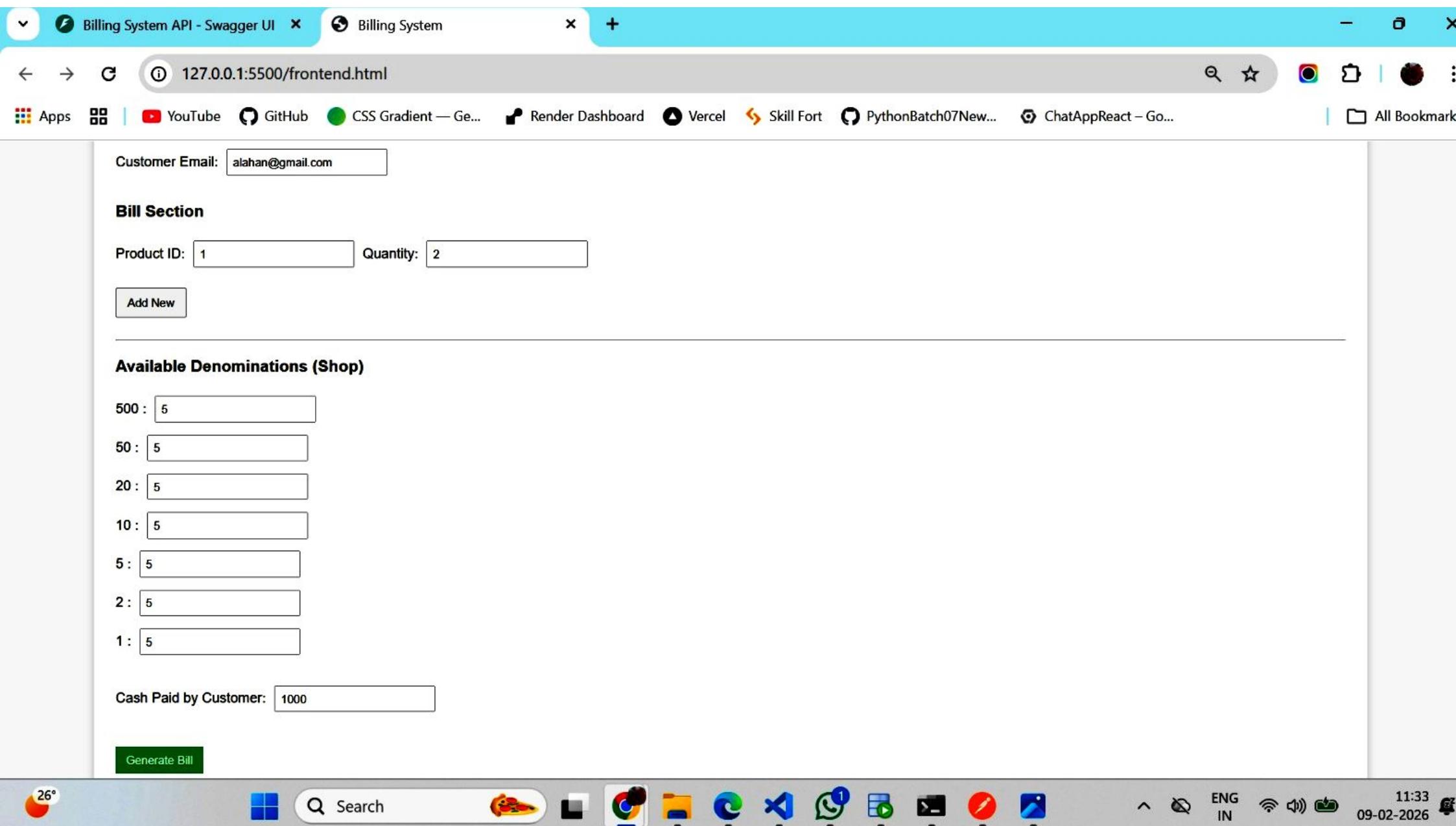
{ } JSON Preview Visualize

```
1 [  
2 {  
3   "total_tax": 20.0,  
4   "id": 1,  
5   "rounded_total": 220.0,  
6   "balance": 780.0,  
7   "total_without_tax": 200.0,  
8   "customer_email": "test@gmail.com",  
9   "net_total": 220.0,  
10  "paid_amount": 1000.0,  
11  "created_at": "2026-02-09T06:00:53.820384"  
12 }  
13 ]
```

Cloud View Find and replace Console Terminal Import Complete Postbot Runner Start Proxy Cookies Vault Trash

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Billing System

File C:/Users/Dell%207490/Downloads/Task/meialhan/billing\_system/frontend.html

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## Invoice

Email: alahan@gmail.com

Product ID	Unit Price	Quantity	Purchase Price	Tax %	Tax Amount
1	100	2	200	10	20

Total without tax: 200.00  
Total tax payable: 20.00  
Net price of purchased items: 220.00  
Rounded down net price: 220  
**Balance payable to customer: 780**

---

**Balance Denomination**

10 : 1  
20 : 1  
50 : 5  
500 : 1

New Bill



Search



ENG  
IN



11:34  
09-02-2026