# **ASSIGNMENT**

# **Tools Used**

- Visual Studio Code
- Postman

# **Programming Language**

• Python

# Frameworks

- Python Django
- Django REST framework

# **Super-User Login**

Username: admin

Password: Admin@123

# **Steps**

- Step 1: Create Virtual Environment
  - Python -m venv environment\_name
- Step 2: Activate Virtual Environment
  - Source environment\_name/scripts/activate
- **Step 3:** Install Django and Django REST Framework
  - pip install django
  - pip install djangorestframework
- **Step 4 :** Create a new Django project
  - django-admin startproject ecommerce
- Step 5: Create a new App as API
  - python manage.py startapp customers
- Step 6: After Developing Make migrations
  - python manage.py makemigrations
  - python manage.py migrate
- **Step 7:** Start the Server
  - python manage.py runserver

# **Step 8:** Test the Developed API using Postman

#### 1. Create a New User

```
JSON -
{
    "name": "Abin",
    "email": "abin@gmail.com"
}
```

# 2. Get Customers

JSON -

GET /customers/

```
DET V http://1270.0.1:8000/customers/

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Cookies

none form-data X-www-form-urlencoded raw binary GraphQL Text V

1 GET /customers/

Body Cookies Headers (9) Test Results

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Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Pretty Raw Preview Visualize JSON V Time: 13 ms Size: 382 8 Save as Example Preview Visuali
```

# 3. Get Specific Customer

JSON -

GET /customers/3/

```
GET V http://1270.01:8000/customers/

Params Authorization Headers (8) Body Pre-request Script Tests Settings

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none form-data x-www-form-urlencoded raw binary GraphQL JSON V

Body Cookles Headers (9) Test Results

Pretty Raw Preview Visualize JSON V

Pretty Raw Preview Visualize JSON V

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```

# 4. Update Customer

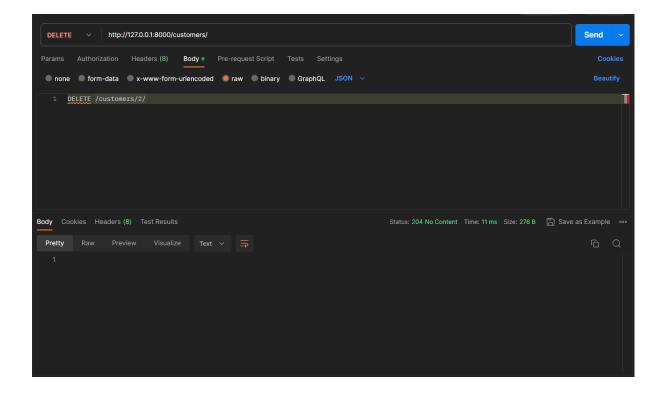
# JSON -

```
PUT /customers/2/
{
    "name": "Arun",
    "email": "arun@gmail.com"
}
```

# 5. Delete Customer

JSON -

DELETE /customers/2/



# 6. Add a new product

```
JSON-
{
    "customer": 1,
    "name": "Mi A3"
}
```

# 7. Get List of all products

JSON-

GET /products/

# 8. Get Specefic Product

JSON-

GET /products/3/

```
Body Cookies Headers (9) Test Results

Body Cookies Heade
```

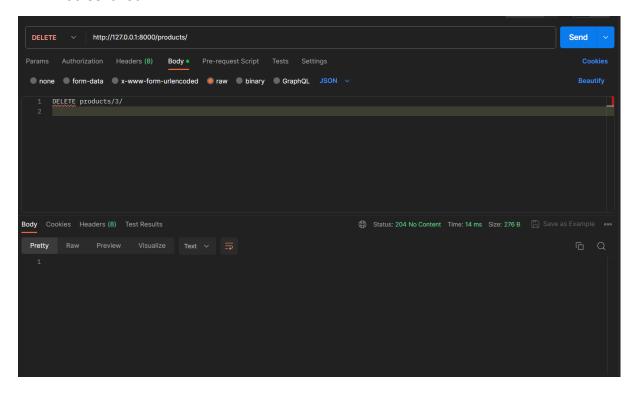
# 9. Update a product

```
JSON-
{
    "customer": 1,
    "name": "Redmi A3"
}
```

# 10. Delete a product

JSON-

DELETE /products/3/



# 11. Status of product

```
JSON-
{
    "name": "Mi A3",
    "customer": 1,
    "is_active": true
}
```