**Order Management API , Django ,Adding Products through Admin & Testing using Django**

**Git**

**https://github.com/Gopikavgk/Order\_Django.git**

**Packages Used (please try to use these packages, to prevent unexpected errors)**

1. **djangorestframework==3.12.3**
2. **django==** **3.2.12**
3. **Python 3.7.9**

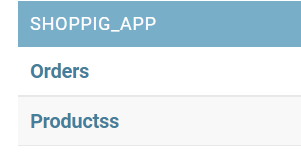
**Adding Products through Admin**

1)On going to <http://127.0.0.1:8000/admin> , we get the admin page with

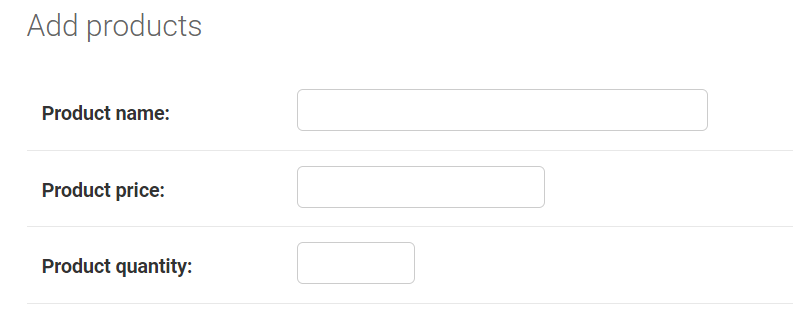
Username:gopikav

Password:gopikav123

2)In the admin page we can see the Orders and Products model registered:



We can add Product name, price and quantity in admin itself



Similarly, the order attributes Product name, Invoice id, Product Price ,Product Quantity, User name and User Consumer can also be added from admin.

***Django***

1).Django project consists of an application named 'shoppig\_app'. On going to <http://127.0.0.1:8000/>

We see following URL paths:



Similarly , <http://127.0.0.1:8000/shoppig_app/> we see the following paths are possible:



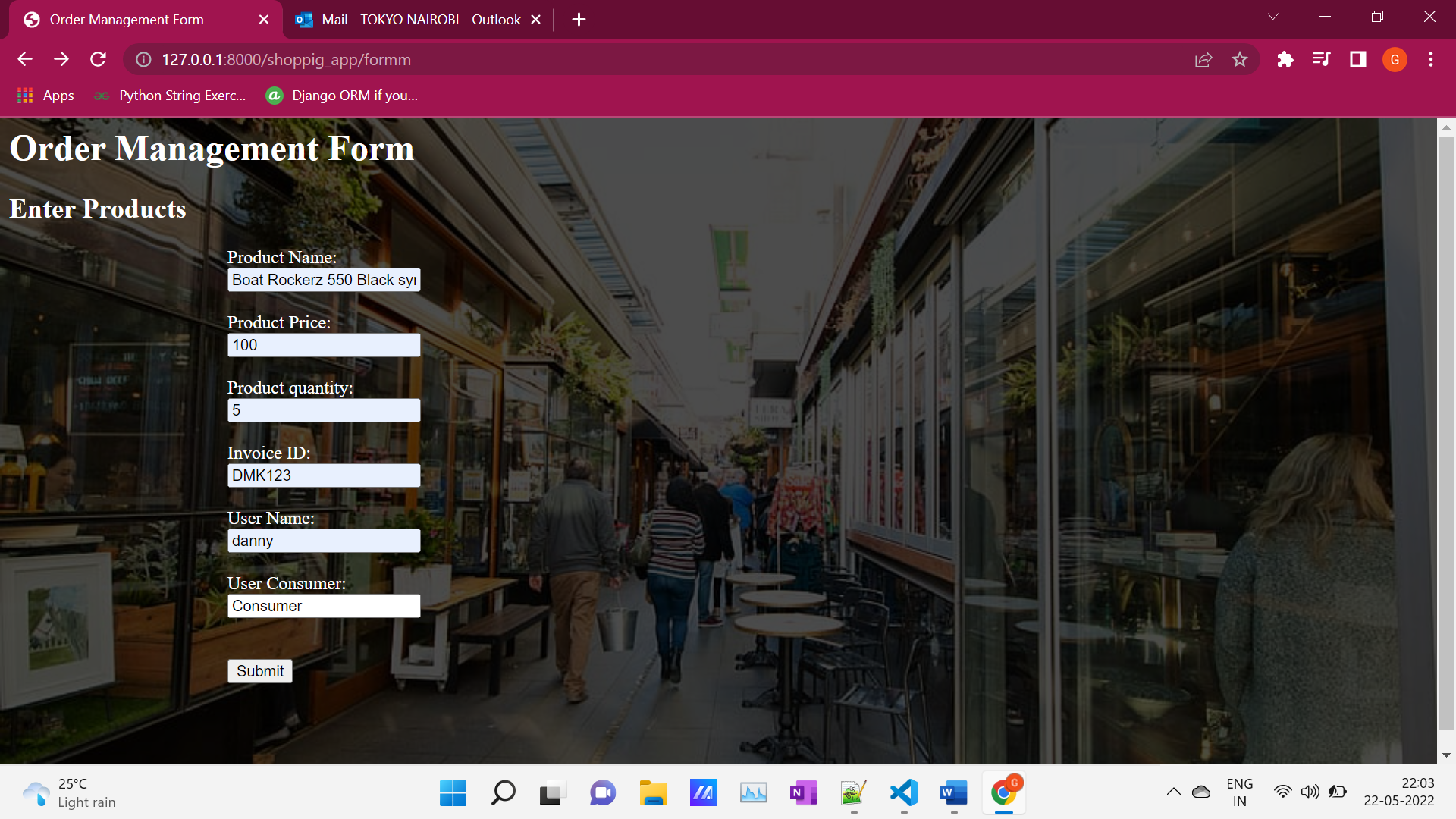
2)On going to <http://127.0.0.1:8000/shoppig_app/formm>

From here, products to a particular product can be added.

Invoice number is the unique number so that all products that is to be billed can be fetched using

Invoice-Id.

User\_Consumer Field is **frozen** as only user of type Consumer is allowed to submit form



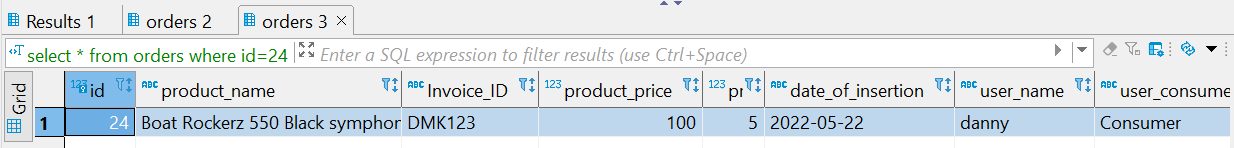
We get the order management form which takes as input the details of the product and submits it.

And shows the following : 



3)🡺Multiple Products can be added by keeping Invoice ID same

🡺Data Saved can be seen from DBweaver as sql-lite is used

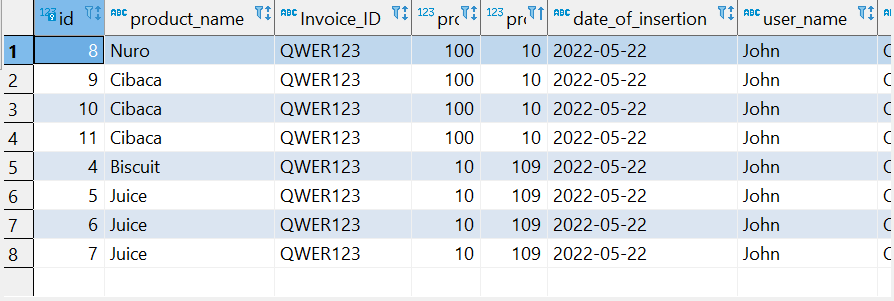


🡺From Terminal also, we could see the data added



🡪**select** \* **from** orders **where** Invoice\_ID ='QWER123'

Orders added by user can be seen like this



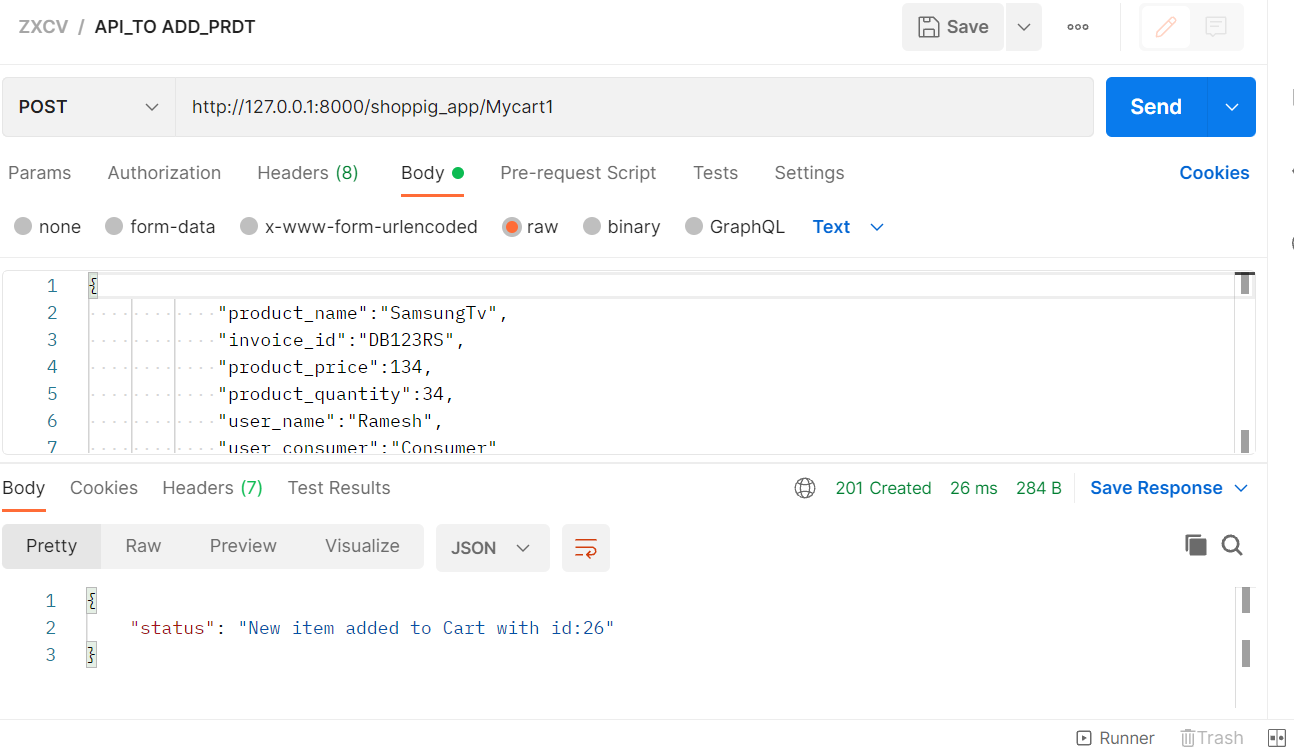
**API**

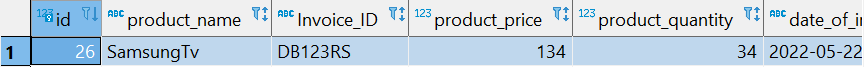
**1.Orders**

DRF is the framework used to add products so that it will be added to DB

Adding orders to the order table

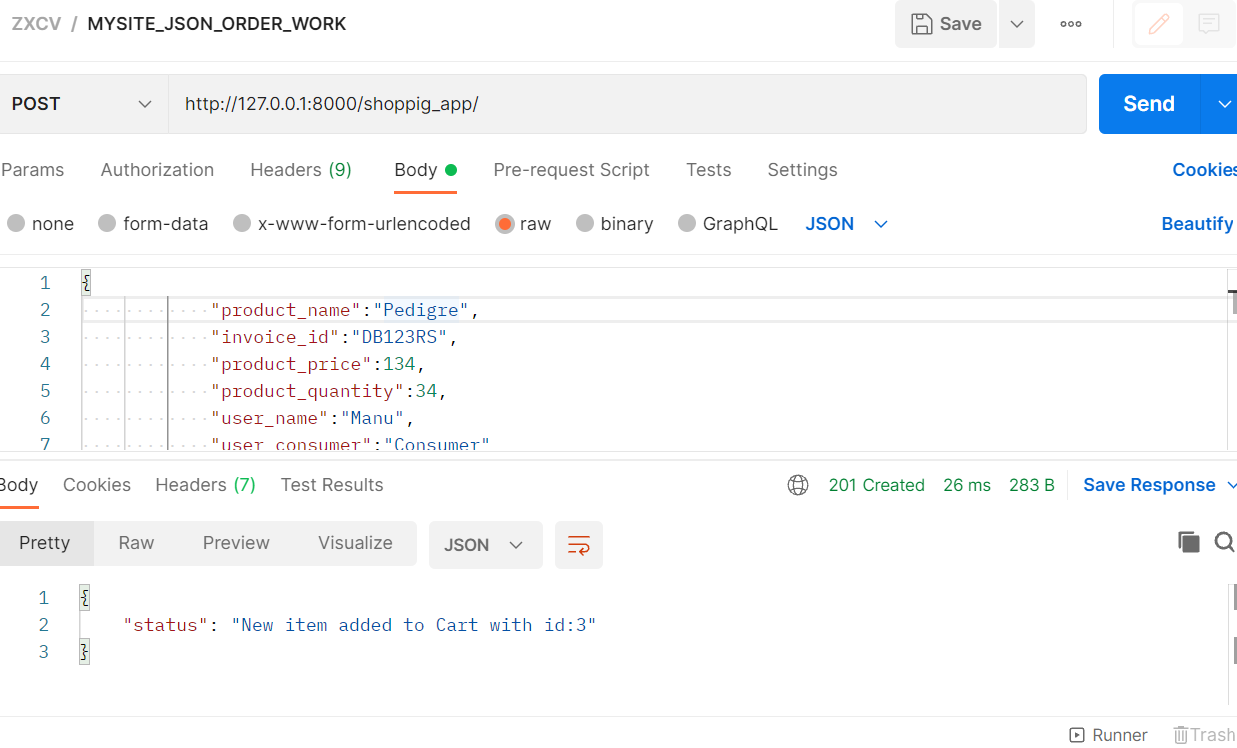
Below Screenshot of testing using PostMan:

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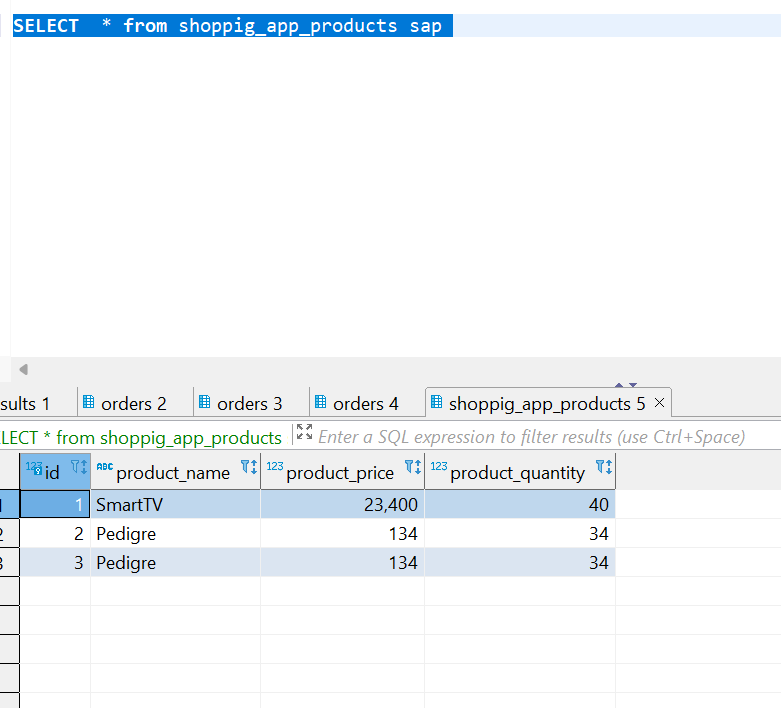
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DRF is the framework used to add products so that it will be added to DB

Adding Product to the site



Visualised Data from DB



Django Testing

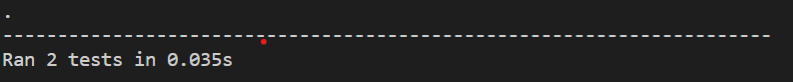
***Python manage.py runserver***

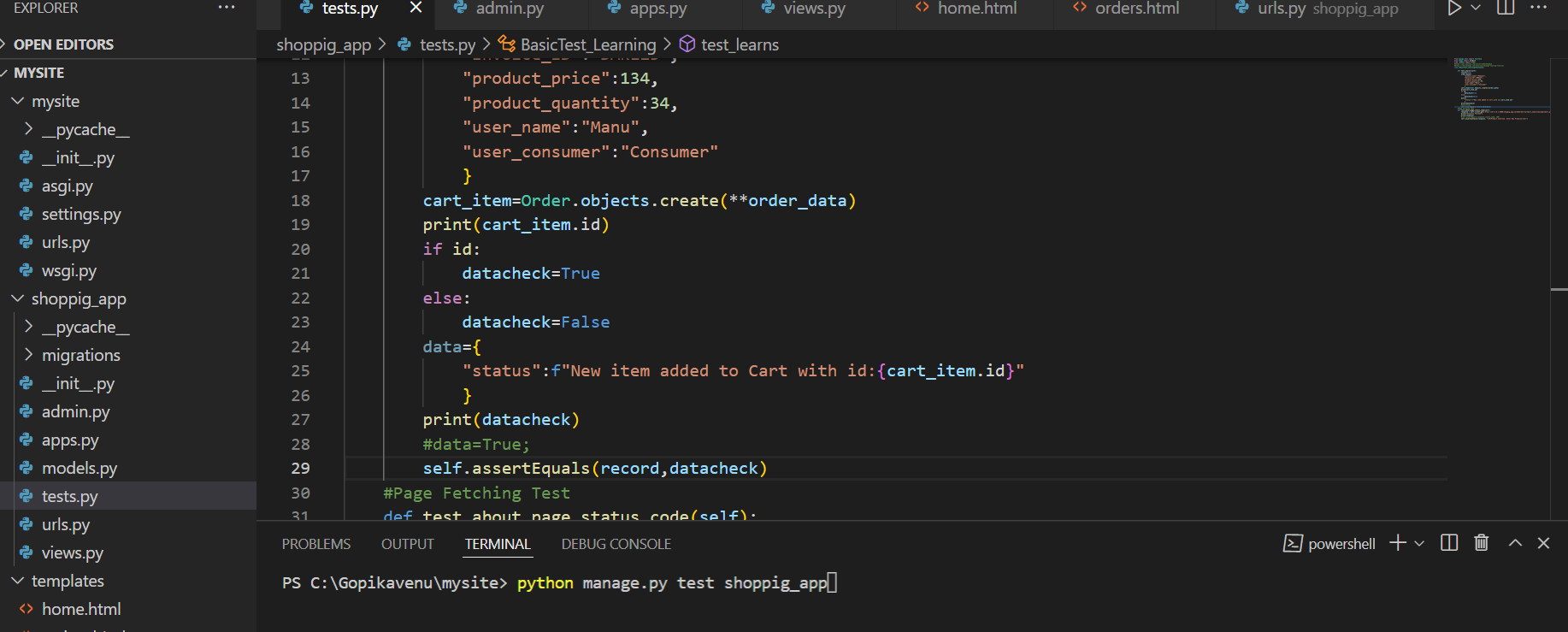
***Then in new terminal run***

***python manage.py test shoppig\_app***

*It Checks API to add order as well Django page to add product*

*The Test Cases completed successfully*

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**Notes**

**1.Only user of type consumer is allowed to submit orders.**In form that consumer code is frozen.

If needed, a check can be enabled in views to ensure other type is not allowed to submit

**2.Multiple products can be entered in orders**

In real world scenario,I have added products one by one to order Table.  
So order table can handle multiple product ids,by keeping Invoice unique per user.

If needed,In Case Front End is sending multiple products,I can loop over those products and then add those to DB(It is not implemented as of now)