Output for Bazar.com: A Multi-tier Online Book Store

Leen Sharaf & Lana Atabeh

Curl command:

Search:

curl http://localhost:5000/search/distributed%20systems

```
C:\Users\Msys\pro\venv>curl http://localhost:5000/search/distributed%20systems
{
  "Items": [
    {
      "cost": 70,
      "stock": 10,
      "title": "How to get a good grade in DOS in 40 minutes a day",
      "topic": "distributed systems"
    },
    {
      "cost": 80,
      "stock": 5,
      "title": "RPCs for Noobs",
      "topic": "distributed systems"
    }
  ]
}

C:\Users\Msys\pro\venv>
```

Info:

curl http://localhost:5000/info/1

```
C:\Users\Msys\pro\venv>curl http://localhost:5000/info/1
{
  "cost": 70,
  "stock": 10,
  "title": "How to get a good grade in DOS in 40 minutes a day",
  "topic": "distributed systems"
}
```

curl http://localhost:5001/query-by-item/4

```
C:\Users\Msys\pro\venv>curl http://localhost:5001/query-by-item/4
{
  "cost": 60,
  "stock": 18,
  "title": "Cooking for the Impatient Undergrad",
  "topic": "undergraduate school"
}
```

curl http://localhost:5001/query-by-subject/distributed systems

```
C:\Users\Msys\pro\venv>curl http://localhost:5001/query-by-subject/distributed systems
{
  "items": [
    {
      "cost": 70,
      "stock": 10,
      "title": "How to get a good grade in DOS in 40 minutes a day",
      "topic": "distributed systems"
    },
    {
      "cost": 80,
      "stock": 5,
      "title": "RPCs for Noobs",
      "topic": "distributed systems"
    }
  ]
}
```

Update cost or stock:

- Update stock:

curl -X PUT -H "Content-Type: application/json" -d "{\"stock\": 5 }" http://localhost:5001/update/1

```
C:\Users\Msys\pro\venv\catalog>curl -X PUT -H "Content-Type: application/json" -d "{\"stock\": 5}" http://localhost:5001
/update/1
{
  "Message": "Updated Successful"
}
```

- Update cost :

curl -X PUT -H "Content-Type: application/json" -d "{\"cost\": 2}" http://localhost:5001/update/1

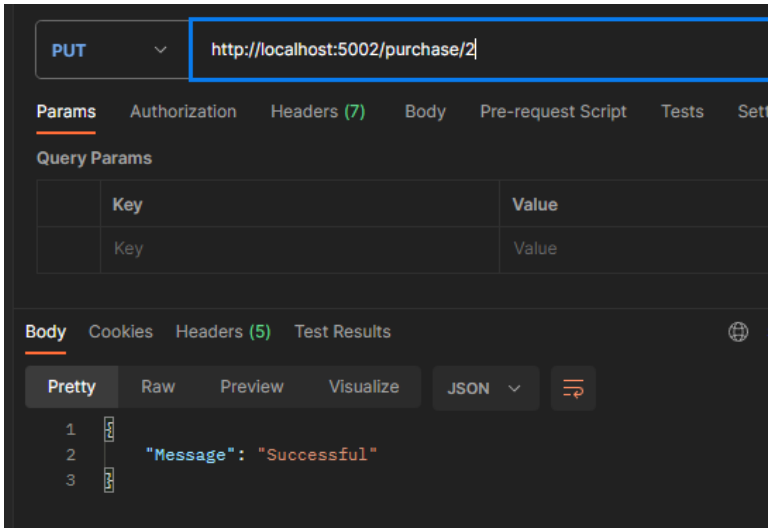
```
C:\Users\Msys\pro\venv> curl -X PUT -H "Content-Type: application/json" -d "{\"cost\": 2}" http://localhost:5001/update/
1
{
  "Message": "Updated Successful"
}

C:\Users\Msys\pro\venv>
```

Purchase:

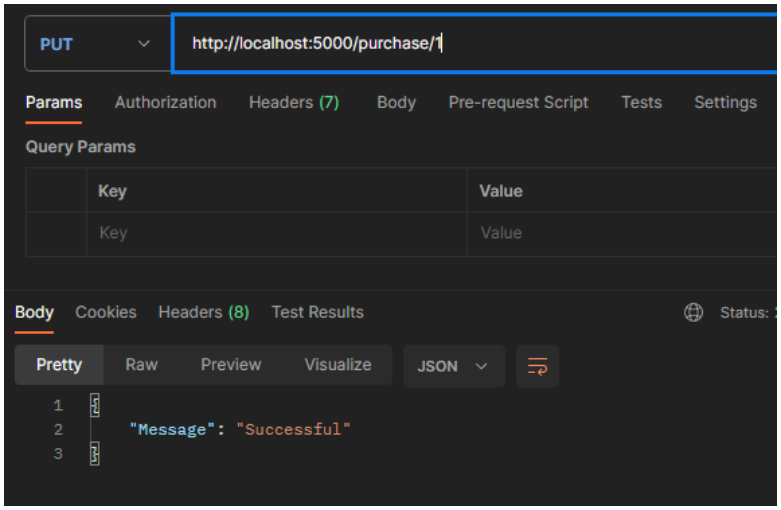
```
C:\Users\Msys\pro\venv>curl -X PUT  http://localhost:5002/purchase/1
{
  "Message": "Successful"
}
```

From order server:

PUT: http://localhost:5002/purchase/item_number

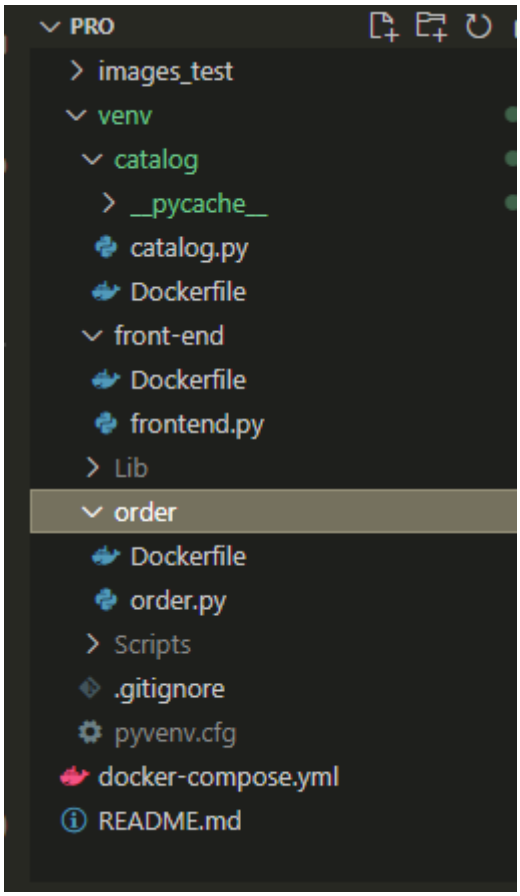


From frontend server:

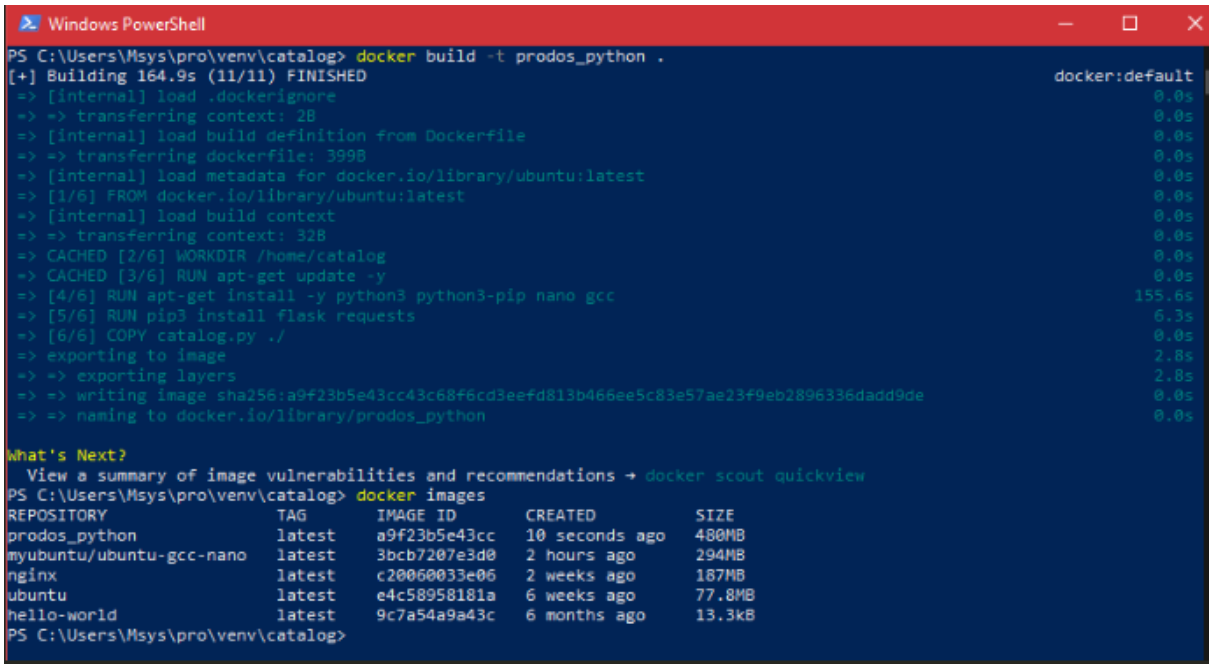
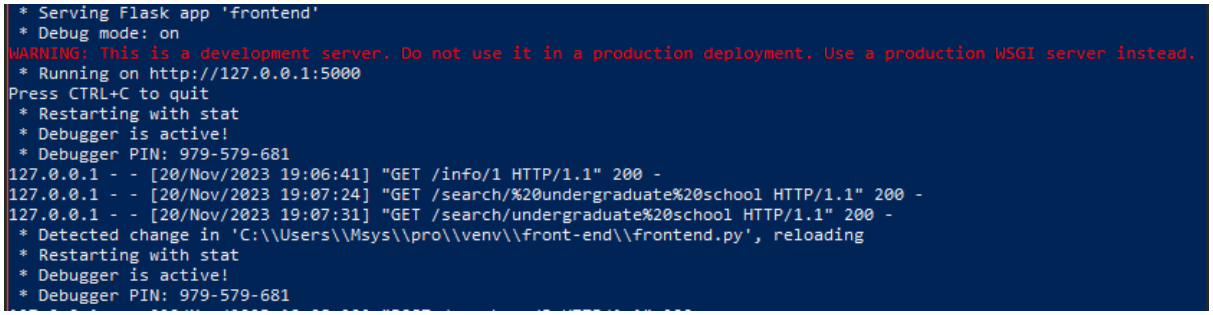


Docker:

We created a Docker file for each server



Build docker:



Frontend server on command: