

# Inventory Management System

## Running system in local

1. Download project from github
2. Create a virtual environment 'venv'
3. Run your terminal starting with "venv"  
eg: (venv) D:\Inventory Management System\IMS>
4. Terminal: pip install -r requirements.txt
5. Terminal: python manage.py makemigrations
6. Terminal: python manage.py migrate
7. Terminal: python manage.py runserver
8. Click on the link given by the terminal and a browser opens  
eg: http://127.0.0.1:8000

## Things you can do in the system

- You can register a new user and login
- You can update your profile after login
- You can browse the products, view them also buy them
- To buy the products your credentials will be asked for delivery
- After you fill forms, billing will be shown to you
- Products purchased shown in your profile page
- Etc.

## Running system in POSTMAN

1. Run server in terminal of your system (VSCODE preferred)
2. Copy and paste the link in postman app's urls
3. Use 'local url' + '/api' to view api page. eg: http://127.0.0.1:8000/api
4. You will see the links for the activities
5. Use GET to view the existing data and POST to put data "top left"
6. Use the given token in api\_key.text and put in Authentication for POST

## Postman URLs and their Functions

<http://127.0.0.1:8000/api/> put this url to view home.

### GET

- `'/api/products'` to view all products
- `'/api/products/:id'` to view 1 product with specific id
- `'/api/users'` to view all users
- `'/api/users/:id'` to view users with given id
- `'/api/profiles'` to view all profiles
- `'/api/profiles/:id'` to view all profiles with given id
- `'/api/purchases'` to view all purchases
- `'/api/purchases/:id'` to view all purchases with given id

### POST

`'/api/login'` to login existing user (key: 'username' & 'password')

`'/api/logout'` to logout existing user

`'/api/register'` to register a new user (key: 'username' & 'password')

- (additional key: 'email', 'first\_name', last\_name')

`'/api/add_products'` to add new product (use admin token for this)

- (key: 'name', 'price', 'category', 'description', 'image', 'count')

`'/api/products/<str:pk>/buy'` to buy product (error)

- (key: 'quantity', 'name', 'email', 'address', 'street', 'phone')