

## Terminal:

### creating project, creating app

```
Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.

C:\Users\SUNYLoaner>cd C:\Users\SUNYLoaner\Documents\Django

C:\Users\SUNYLoaner\Documents\Django>C:\Users\SUNYLoaner\.virtualenvs\Django-Qm_40__G\Scripts\activate

(Django) C:\Users\SUNYLoaner\Documents\Django>python -m django --version
4.2.7

(Django) C:\Users\SUNYLoaner\Documents\Django>django-admin startproject inventory_management

(Django) C:\Users\SUNYLoaner\Documents\Django>python manage.py startapp inventory
C:\Users\SUNYLoaner\anaconda3\python.exe: can't open file 'C:\\Users\\SUNYLoaner\\Documents\\Django\\manage.py': [Errno 2] No such file or directory

(Django) C:\Users\SUNYLoaner\Documents\Django>cd C:\Users\SUNYLoaner\Documents\Django\inventory_management

(Django) C:\Users\SUNYLoaner\Documents\Django\inventory_management>python manage.py startapp inventory

(Django) C:\Users\SUNYLoaner\Documents\Django\inventory_management>
```

### running migrations, running server successfully

```
C:\Users\SUNYLoaner>cd C:\Users\SUNYLoaner\Documents\Django\inventory_management\inventory_management

C:\Users\SUNYLoaner\Documents\Django\inventory_management\inventory_management>C:\Users\SUNYLoaner\.virtualenvs\Django-Qm_40__G\Scripts\activate

(Django) C:\Users\SUNYLoaner\Documents\Django\inventory_management\inventory_management>python manage.py makemigrations
No changes detected

(Django) C:\Users\SUNYLoaner\Documents\Django\inventory_management\inventory_management>python manage.py migrate
Operations to perform:
  Apply all migrations: admin, auth, contenttypes, inventory, sessions
Running migrations:
  No migrations to apply.

(Django) C:\Users\SUNYLoaner\Documents\Django\inventory_management\inventory_management>python .\manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

System check identified no issues (0 silenced).
November 07, 2023 - 15:46:05
Django version 4.2.7, using settings 'inventory_management.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

### Create Super User/ Admin

```
(Django) C:\Users\SUNYLoaner\Downloads\inventory_management\inventory_management>python manage.py createsuperuser
Username (leave blank to use 'sunyloaner'): Inventory Admin
Error: Enter a valid username. This value may contain only letters, numbers, and @/./+/-/_ characters.
Username (leave blank to use 'sunyloaner'): Inventory_Admin
Email address: nishamakwana14@gmail.com
Password:
Password (again):
Superuser created successfully.

(Django) C:\Users\SUNYLoaner\Downloads\inventory_management\inventory_management>
```

## Admin Login Page

The screenshot shows a web browser window with the address bar displaying `127.0.0.1:8000/admin/login/?next=/admin/`. The browser's bookmark bar includes links to YouTube, Maps, Gmail, TDS, and BU. The main content area displays the Django administration login interface. At the top, a dark blue header bar contains the text "Django administration" followed by a help icon. Below this, the login form is centered. It features two input fields: "Username:" with the value "Inventory\_Manager" and "Password:" with masked characters. A blue "Log in" button is positioned below the password field. The entire form is set against a light gray background.

## Normal Users Login on admin page

The screenshot shows the same Django administration login page as above, but with an error message displayed. The error message is enclosed in a red-bordered box and reads: "Please enter the correct username and password for a staff account. Note that both fields may be case-sensitive." Below the error message, the "Username:" field now contains the value "User1". The "Password:" field remains masked. The blue "Log in" button is still present at the bottom of the form. The browser window and bookmark bar are identical to the previous screenshot.

# Admin Page

127.0.0.1:8000/admin/

YouTube

Maps

Gmail

TDS

BU

Django administration

WELCOME, **INVENTORY\_MANAGER** / [VIEW SITE](#) / [CHANGE PASSWORD](#) / [LOG OUT](#)

Site administration

AUTHENTICATION AND AUTHORIZATION

Groups

+ Add

Change

Users

+ Add

Change

INVENTORY

Inventory items

+ Add

Change

Recent actions

My actions

None available

Django administration

WELCOME, **INVENTORY\_MANAGER** VIEW SITE / CHANGE PASSWORD / LOG OUT

Home - Authentication and Authorization - Users

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

INVENTORY

Inventory items + Add

Select user to change

Q

Search

Action: 

-----

 Go 0 of 8 selected

<input type="checkbox"/>	ID	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	10	Inventory_Admin	nishamakwana14@gmail.com			✔
<input type="checkbox"/>	5	Inventory_Manager	nishamakwana14@gmail.com			✔
<input type="checkbox"/>	7	User1	nishamakwana14@gmail.com			✘
<input type="checkbox"/>	8	User2	nishamakwana14@gmail.com			✘
<input type="checkbox"/>	9	User3	nishamakwana14@gmail.com			✘
<input type="checkbox"/>	1	admin				✔
<input type="checkbox"/>	3	taySwift	tsift@gmail.com			✘
<input type="checkbox"/>	2	test1	test1@example.com			✘

8 users

FILTER

By staff status

All

Yes

No

By superuser status

All

Yes

No

By active

All

Yes

No

ADD USER +

Django administration

WELCOME, **INVENTORY\_MANAGER** VIEW SITE / CHANGE PASSWORD / LOG OUT

Home - Inventory - Inventory items

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

INVENTORY

Inventory items + Add

Select inventory item to change

Q

Search

Action: 

-----

 Go 0 of 7 selected

<input type="checkbox"/>	INVENTORY ITEM
<input type="checkbox"/>	Chocolate Box
<input type="checkbox"/>	Camera
<input type="checkbox"/>	T-shirt
<input type="checkbox"/>	Bottle
<input type="checkbox"/>	Wallet
<input type="checkbox"/>	Apple
<input type="checkbox"/>	add

7 inventory items

ADD INVENTORY ITEM +

Start

# Signup

← → ↻ 127.0.0.1:8000/signup/ 🔑 🔍 📁 ☆ ⚙️ ⬇️ 🖨️ 🌐 N ⋮

YouTube Maps Gmail TDS BU

**Inventory Management System** Sign Up

## Sign Up

Username\*

Required: 150 characters or fewer. Letters, digits and @/+/+/\_ only.

Email\*

Password\*

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

Password confirmation\*

Enter the same password as before, for verification.

[Sign Up](#)

Already have an account? [Sign In](#)

# Login

← → ↻ 127.0.0.1:8000/login/ 🔑 📁 ☆ ⚙️ ⬇️ 🖨️ 🌐 N ⋮

YouTube Maps Gmail TDS BU

**Inventory Management System** Sign Up

## Sign In

Username\*

Password\*

[Sign In](#)

[Create Account](#)

## Create Product

←

→

↺

127.0.0.1:8000/add-item/

🔍

📄

☆

⚙️

📄

📄

👤

YouTube

Maps

Gmail

TDS

BU

Inventory Management System

User1Sign Out

Go To Dashboard

Create a Product

Name\*

Camera

Description\*

created by User 1

Quantity\*

4

Price\*

168

Add Item

## Edit Product

The image is a screenshot of a web browser displaying an 'Inventory Management System' interface. The browser's address bar at the top shows the URL '127.0.0.1:8000/edit-item/44'. Below the address bar, there are several icons for external services: YouTube, Maps, Gmail, TDS, and BU. The page's header is a solid green bar. On the left side of the header, the text 'Inventory Management System' is written in white. On the right side, the text 'User1 Sign Out' is also in white. Below the header, there is a light blue main content area. At the top of this area, centered, is a red rectangular button with the text 'Go To Dashboard'. Below this button, the title 'Edit a Product' is displayed in a large, dark font. Underneath the title, there are four form fields. The first field is labeled 'Name\*' and contains the text 'Camera'. The second field is labeled 'Description\*' and contains two lines of text: 'created by User 1' and 'Modified by User 1'. The third field is labeled 'Quantity\*' and contains the number '3'. The fourth field is labeled 'Price\*' and contains the text '60.00'. At the bottom center of the form, there is a green rectangular button with the text 'Edit Item'.

## Product Dashboard(for Users)

## Audit-History

127.0.0.1:8000/audit-trail/44/

YouTube

Maps

Gmail

TDS

BU

N

Inventory Management System

User1Sign Out

Go To Dashboard

Product History for Camera

Version	Name	Quantity	Price	User	Modified By	Timestamp
2	Camera	3	60.00	User1	User1	Nov. 7, 2023, 2:57 p.m.
1	Camera	4	168.00	User1	None	Nov. 7, 2023, 2:48 p.m.

## Product Dashboard(for Admin)

127.0.0.1:8000/dashboard/

YouTube Maps Gmail TDS BU

Inventory Management System

Inventory\_Manager Sign Out

## DASH BOARD

ADD PRODUCT

Product ID	Name	Description	Qty	Price	User	Modified User	User ID			
44	Camera	created by User 1 Modified by User 1	3	60.00	User1	User1	7	Edit	Delete	History
45	Chocolate Box	Created by User 1, Modified by Inventory Manager	7	23.00	User1	Inventory_Manager	7	Edit	Delete	History
40	Apple	Created by User 3 Edifed by Inventory Manager	5	123.00	User3	Inventory_Manager	9	Edit	Delete	History
43	T-shirt	User 2 created Tshirt	3	23.00	User2	None	8	Edit	Delete	History
42	Bottle	User 2 created bottle	3	12.00	User2	None	8	Edit	Delete	History
41	Wallet	Wallet is Created by User3	2	23.00	User3	None	9	Edit	Delete	History
39	add	No description available	1	10.00	Inventory_Manager	None	5	Edit	Delete	History
37	test1 modify	IM modify	1	10.00	Inventory_Manager	Inventory_Manager	5	Edit	Delete	History

### Edit Product(By admin)

←→↺127.0.0.1:8000/edit-item/44

YouTubeMapsGmailTDSBU

Inventory Management SystemInventory\_Managersign out

Go To Dashboard

## Edit a Product

Name\*

Camera

Description\*

created by User 1  
Modified by User 1,  
Modified by IM

Quantity\*

3

Price\*

50

Edit Item



←→↻127.0.0.1:8000/audit-trail/44/🔍📄☆⚙️📄N⋮

📺 YouTube📍 Maps📧 Gmail📄 TDS📄 BU

Inventory Management SystemInventory\_ManagerSign Out

Go To Dashboard

Product History for Camera

Version	Name	Quantity	Price	User	Modified By	Timestamp
3	Camera	3	50.00	User1	Inventory_Manager	Nov 7, 2023, 3:03 p.m.
2	Camera	3	60.00	User1	User1	Nov 7, 2023, 2:57 p.m.
1	Camera	4	168.00	User1	None	Nov 7, 2023, 2:48 p.m.

←→↻127.0.0.1:8000/dashboard/🔍📄☆⚙️📄N⋮

📺 YouTube📍 Maps📧 Gmail📄 TDS📄 BU

Inventory Management SystemInventory\_ManagerSign Out

DashBoard

ADD PRODUCT

Product ID	Name	Description	Qty	Price	User	Modified User	User ID	
44	Camera	created by User 1 Modified by User 1, Modified by IM	3	50.00	User1	Inventory_Manager	7	<div>EditDeleteHistory</div>
45	Chocolate Box	Created by User 1, Modified by Inventory Manager	7	23.00	User1	Inventory_Manager	7	<div>EditDeleteHistory</div>
40	Apple	Created by User 3 Edited by Inventory Manager	5	123.00	User3	Inventory_Manager	9	<div>EditDeleteHistory</div>
43	T-shirt	User 2 created Tshirt	3	23.00	User2	None	8	<div>EditDeleteHistory</div>
42	Bottle	User 2 created bottle	3	12.00	User2	None	8	<div>EditDeleteHistory</div>
41	Wallet	Wallet is Created by User3	2	23.00	User3	None	9	<div>EditDeleteHistory</div>
39	add	No description available	1	10.00	Inventory_Manager	None	5	<div>EditDeleteHistory</div>
37	test1 modify	IM modify	1	10.00	Inventory_Manager	Inventory_Manager	5	<div>EditDeleteHistory</div>

127.0.0.1:8000/delete-item/37

# Delete Product

127.0.0.1:8000/delete-item/37

YouTube

Maps

Gmail

TDS

BU

Inventory Management System

Inventory\_Manager Sign Out

Go back

Are you sure you want to delete test1 modify?

This cannot be undone

Delete

127.0.0.1:8000/dashboard/

YouTube

Maps

Gmail

TDS

BU

Inventory Management System

Inventory\_Manager Sign Out

DashBoard

ADD PRODUCT

Product ID	Name	Description	Qty	Price	User	Modified User	User ID	
44	Camera	created by User 1 Modified by User 1, Modified by IM	3	50.00	User1	Inventory_Manager	7	<div>EditDeleteHistory</div>
45	Chocolate Box	Created by User 1, Modified by Inventory Manager	7	23.00	User1	Inventory_Manager	7	<div>EditDeleteHistory</div>
40	Apple	Created by User 3 Editted by Inventory Manager	5	123.00	User3	Inventory_Manager	9	<div>EditDeleteHistory</div>
43	T-shirt	User 2 created Tshirt	3	23.00	User2	None	8	<div>EditDeleteHistory</div>
42	Bottle	User 2 created bottle	3	12.00	User2	None	8	<div>EditDeleteHistory</div>
41	Wallet	Wallet is Created by User3	2	23.00	User3	None	9	<div>EditDeleteHistory</div>
39	add	No description available	1	10.00	Inventory_Manager	None	5	<div>EditDeleteHistory</div>

Inventory\_Admin Sign Out

### Product History for Camera

Version	Name	Quantity	Price	User	Modified By	Timestamp
4	Camera	5	50.00	User1	Inventory_Admin	Nov. 7, 2023, 3:19 p.m.
3	Camera	3	50.00	User1	Inventory_Manager	Nov. 7, 2023, 3:03 p.m.
2	Camera	3	60.00	User1	User1	Nov. 7, 2023, 2:57 p.m.
1	Camera	4	168.00	User1	None	Nov. 7, 2023, 2:48 p.m.