

# Django Ecommerce Project: Pizza Shop

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TY - B.Voc AIDS

Batch 2

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**Abstract:** This project delivers a full-featured online pizza ordering platform where users can register, browse the menu, customize and add pizzas to a shopping cart, and complete secure payments via Razorpay. An integrated AI chatbot assists customers by answering menu-related questions in real time, while a dedicated admin panel lets business owners manage pizzas, view orders, and update delivery status. From user authentication through order tracking, this application provides a seamless, end-to-end e-commerce experience suitable for real-world pizza delivery operations.

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**Key Features:** AI Chatbot, Payment Gateway, User Authentication, Shopping Cart

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## **Project structure:**

pizza\_project/

└─ pizza\_shop/      # Main Django app

└─ pizza\_project/    # Project settings

└─ templates/        # HTML templates

└─ static/            # CSS, JS, images

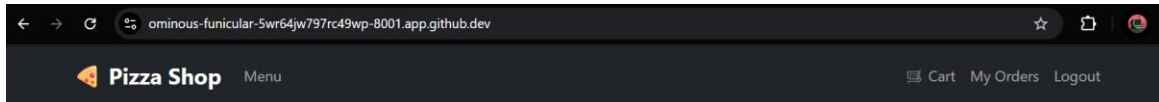
└─ media/            # User uploaded files

└─ requirements.txt   # Dependencies

└─ manage.py        # Django management script

## Main page: Pizza Menu Management

- Displays all available pizzas with images, descriptions, sizes, and prices.
- Users can Add the pizzas in the cart by clicking the “Add to Cart” button



### Our Pizza Menu

**Margherita**  
Classic Italian pizza with tomato sauce, mozzarella, and basil

Size: Medium  
Toppings: Tomato Sauce, Mozzarella, Fresh Basil

**\$12.99**

[Add to Cart](#)

**Pepperoni**  
Traditional pizza topped with spicy pepperoni slices

Size: Medium  
Toppings: Tomato Sauce, Mozzarella, Pepperoni

**\$14.99**

[Add to Cart](#)

**Supreme**  
Loaded with vegetables and meats

Size: Large  
Toppings: Tomato Sauce, Mozzarella, Pepperoni, Sausage, Bell Peppers, Onions, Olives, Mushrooms

**\$16.99**

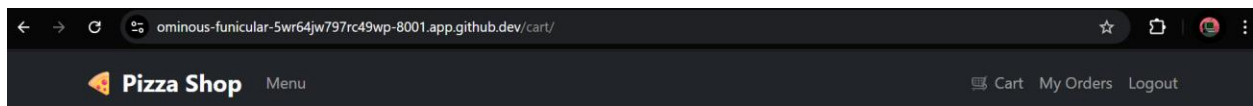
[Add to Cart](#)

**Vegetarian**  
Fresh vegetables on a crispy crust

Size: Medium  
Toppings: Tomato Sauce, Mozzarella, Bell Peppers,

## Shopping Cart System:

- Add to Cart: Users can add pizzas with selected quantities.
- Update Cart: Users can modify quantities or remove items before checkout.



### Your Shopping Cart

Pizza	Size	Price	Quantity	Subtotal	Actions
Margherita	Medium	\$12.99	<input type="text" value="3"/> <a href="#">Update</a>	\$38.97	<a href="#">Remove</a>
Pepperoni	Medium	\$14.99	<input type="text" value="1"/> <a href="#">Update</a>	\$14.99	<a href="#">Remove</a>
Supreme	Large	\$16.99	<input type="text" value="2"/> <a href="#">Update</a>	\$33.98	<a href="#">Remove</a>
				<b>Total:</b>	<b>\$87.94</b>

[Continue Shopping](#)[Proceed to Checkout](#)

## Checkout page:

- Collects delivery address, contacts details, and initiates payment.

Click to go back, hold to see history

**Pizza Shop** Menu Cart My Orders Logout

## Checkout

Delivery Address

Los Angeles , Bay area , Silicon Valley .

Phone Number

1234567890

[Place Order](#) [Back to Cart](#)

### Order Summary

Margherita (x3)	\$38.97
Pepperoni (x1)	\$14.99
Supreme (x2)	\$33.98
<b>Total:</b>	<b>\$87.94</b>

## Order Management System:

- After placing the order, the users see an Order display page.
- Where further user can navigate to orders or main page

Order placed successfully! Your order is being prepared.

### Order #2

**Order Details**

Status: Confirmed

Order Date: July 31, 2025, 11:07 a.m.

Total Amount: \$87.94

**Delivery Information**

Address: Los Angeles , Bay area , Silicon Valley .

Phone: 1234567890


**Order Items**

Pizza	Size	Price	Quantity	Subtotal
Margherita	Medium	\$12.99	3	\$38.97
Pepperoni	Medium	\$14.99	1	\$14.99
Supreme	Large	\$16.99	2	\$33.98
				<b>Total: \$87.94</b>

[Back to Orders](#) [Order More Pizzas](#)

- Users can see all their Order History

ominous-funicular-5wr64jw797rc49wp-8001.app.github.dev/orders/

 **Pizza Shop** [Menu](#)

[Cart](#) [My Orders](#) [Logout](#)

## Your Orders

**Order #2** Confirmed

**Date:** July 31, 2025, 11:07 a.m.  
**Total Amount:** \$87.94  
**Items:**

3x Margherita  
1x Pepperoni  
2x Supreme

View Details

**Order #1** Confirmed

**Date:** July 31, 2025, 11:02 a.m.  
**Total Amount:** \$27.98  
**Items:**

1x Margherita  
1x Pepperoni

View Details

- Admin can see all the order details placed by the users

**Pizza Shop Administration** WELCOME, UJWAL

[Home](#) > [Pizza\\_Shop](#) > [Orders](#)

Start typing to filter...

**AUTHENTICATION AND AUTHORIZATION**

[Groups](#) + Add

[Users](#) + Add

**PIZZA\_SHOP**

[Carts](#) + Add

[Orders](#) + Add

[Pizzas](#) + Add

Select order to change

Q

Search

Action:  Go 0 of 2 selected

<input type="checkbox"/>	ID	CUSTOMER	STATUS	CREATED AT	TOTAL AMOUNT	PHONE NUMBER
<input type="checkbox"/>	2	ujwal	<div>Confirmed</div>	July 31, 2025, 11:07 a.m.	87.94	1234567890
<input type="checkbox"/>	1	ujwal	<div>Confirmed</div>	July 31, 2025, 11:02 a.m.	27.98	123243432

2 orders

Save

## User Management System:

- Handles user registration, login, profile updates, and order history.

Pizza Shop Administration

WELCOME, UJWAL, VIB

Home > Authentication and Authorization > Users

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PIZZA\_SHOP

Carts + Add

Orders + Add

Pizzas + Add

Select user to change

Q

Search

Action: 

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 Go 0 of 3 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	ujwal	ujwalsahucs10@gmail.com	-	-	✓
<input type="checkbox"/>	user1	-	-	-	✗
<input type="checkbox"/>	user2	-	-	-	✗

3 users

## Pizza Management System:

- Allows admins to create, edit, and delete pizza listings with images and availability.

Pizza Shop Administration

WELCOME, UJWAL, VIB

Home > Pizza\_Shop > Pizzas

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

Groups + Add

Users + Add

PIZZA\_SHOP

Carts + Add

Orders + Add

Pizzas + Add

Select pizza to change

Q

Search

Action: 

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 Go 0 of 4 selected

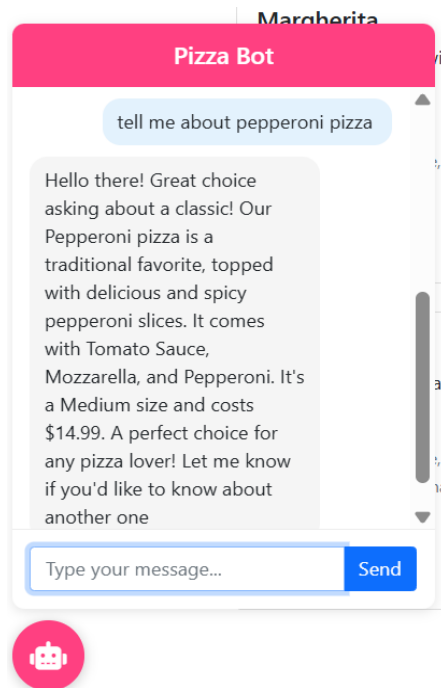
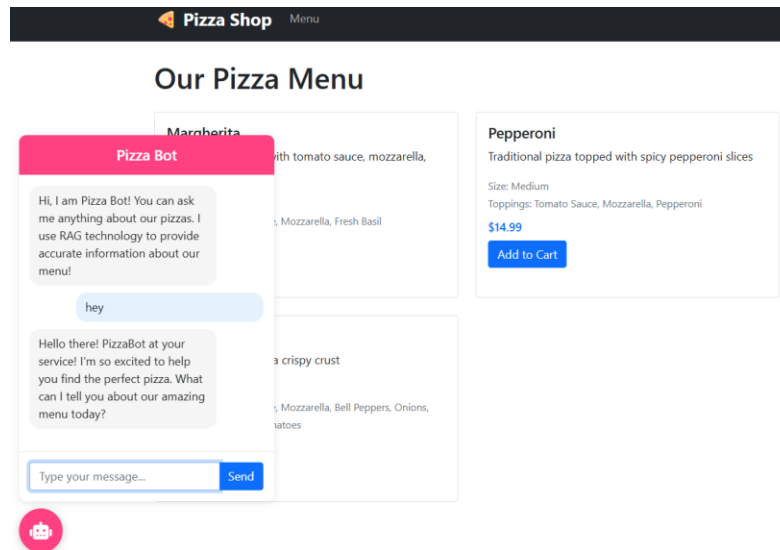
<input type="checkbox"/>	NAME	SIZE	PRICE	IS AVAILABLE	PREVIEW	TOPPINGS
<input type="checkbox"/>	Vegetarian	Medium	13.99	✓	No image	Tomato Sauce, Mozzarella, Bell Peppers, Onions, Olives, Mushrooms, Tomatoes
<input type="checkbox"/>	Supreme	Large	16.99	✓	No image	Tomato Sauce, Mozzarella, Pepperoni, Sausage, Bell Peppers, Onions, Olives, Mushrooms
<input type="checkbox"/>	Pepperoni	Medium	14.99	✓	No image	Tomato Sauce, Mozzarella, Pepperoni
<input type="checkbox"/>	Margherita	Medium	12.99	✓	No image	Tomato Sauce, Mozzarella, Fresh Basil

4 pizzas

Save

## AI Chatbot Integration:

- Provides real-time, menu-specific assistance using a Google Gemini RAG-powered chatbot.
- Google Gemini API is used.



## Razor Pay Integration:

- Processes and verifies secure online payments before confirming orders.
- User clicks on the “Pay Now” button

ominous-funicular-5wr64jw797rc49wp-8001.app.github.dev/order/6/

**Pizza Shop** Menu Cart My Orders Logout

Order placed successfully! Your order is being prepared.

### Order #6

**Order Details**

Status: Confirmed

Payment Status: Pending

Order Date: July 31, 2025, 1:50 p.m.

Total Amount: \$29.98

[Pay Now](#)

**Delivery Information**

Address: adsfjkl

Phone: adsf

Pizza	Size	Price	Quantity	Subtotal
Pepperoni	Medium	\$14.99	2	\$29.98
				<b>Total: \$29.98</b>

[Back to Orders](#) [Order More Pizzas](#)

- Users get a Razor-pay payment method page:

**P Pizza Shop**

Price Summary  
**₹29.98**

Using as +91 81690 60423

#### Payment Options

**Cards**

Add a new card

4111 1111 1111 1111 VISA

03 / 27

ujwal

☐ Save this card as per RBI guidelines

[Continue](#)

**Netbanking**

**Wallet**

**Pay Later**

Secured by **Razorpay**

Razor Pay Dashboard:

Click to go back, hold to see history

Razorpay

PaymentsMore

Search payment products, settings, and more

US

You are currently in test mode. No real money is involved. Enable Live Mode

Home

Transactions

Settlements

Reports

Test Mode

Account & Settings

PaymentsOrders

Last 7 daysStatus: AllPayment method: All

Payment IDSearch

Payment ID	Bank RRN	Customer detail	Created on	Amount	Status
pay_QzhYIRILhR1tC7	-- Netbanking	+91 8169 060423 ujwalsahucs10@gmail.com	Thu Jul 31, 7:36pm	₹ 59.96	Created
pay_QzhT7c9bmSeYal	-- Netbanking	+91 8169 060423 ujwalsahucs10@gmail.com	Thu Jul 31, 7:31pm	₹ 29.98	Created
pay_QzhPACp6sNBmKX	-- Netbanking	+91 8169 060423 ujwalsahucs10@gmail.com	Thu Jul 31, 7:27pm	₹ 29.98	Created
pay_QzhJYvYkniVO7	-- Debit Card	+91 8169 060423 ujwalsahucs10@gmail.com	Thu Jul 31, 7:22pm	₹ 29.98	Failed
pay_QzhleeWnqb1rDH	-- Netbanking	+91 8169 060423 ujwalsahucs10@gmail.com	Thu Jul 31, 7:21pm	₹ 29.98	Created

Help & Support

- Admin Dashboard: after the order is confirmed the admin dashboard is updated.

Pizza Shop Administration

WELCOME, UJWAL. VIEW PROFILE

Home > Pizza\_Shop > Orders

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

GroupsAdd

UsersAdd

PIZZA\_SHOP

CartsAdd

OrdersAdd

PizzasAdd

Select order to change

Search

Action: 0 of 7 selected

ID	CUSTOMER	STATUS	CREATED AT	TOTAL AMOUNT	PHONE NUMBER
7	ujwal	Confirmed	July 31, 2025, 2:02 p.m.	59.96	altdjfaldf
6	ujwal	Confirmed	July 31, 2025, 1:50 p.m.	29.98	adsf
5	ujwal	Confirmed	July 31, 2025, 1:47 p.m.	27.98	altdjfadfa
4	ujwal	Confirmed	July 31, 2025, 1:46 p.m.	12.99	ajfdjk
3	ujwal	Confirmed	July 31, 2025, 1:29 p.m.	12.99	adfsa
2	ujwal	Confirmed	July 31, 2025, 11:07 a.m.	87.94	1234567890
1	ujwal	Confirmed	July 31, 2025, 11:02 a.m.	27.98	123243432

7 ordersSave



**Conclusion:**

The Pizza Shop E-Commerce application delivers a cohesive online ordering experience by combining user registration, dynamic pizza menu browsing, shopping cart operations, and secure Razorpay payments within a Django framework. An AI-powered chatbot provides real-time menu assistance, while the custom admin panel lets business owners manage pizzas and monitor orders effortlessly. Built on Django's MVT architecture with environment-based configuration and robust security measures, the project ensures both a seamless customer journey and a maintainable codebase. With room for future enhancements like user reviews or notifications, this solution stands ready for real-world deployment.