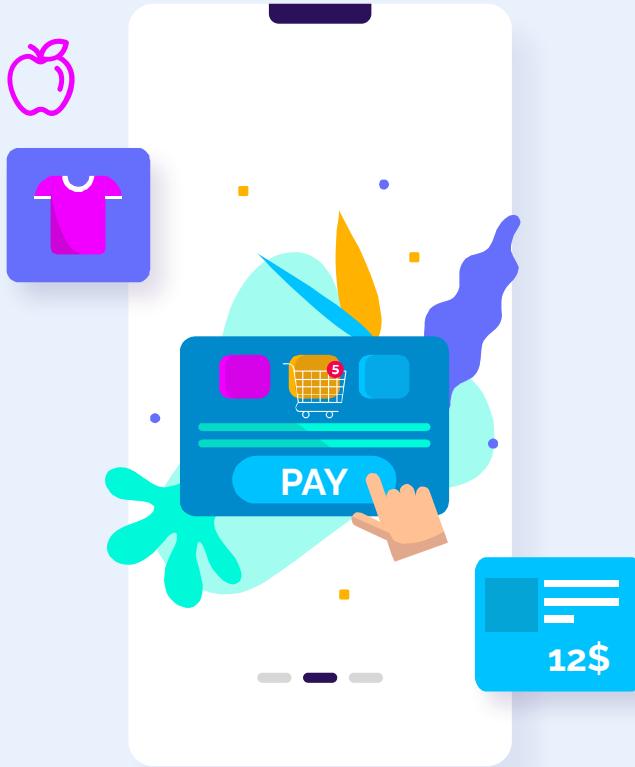


# InFOODsys

## Pitch Deck

Here is where your presentation begins



## Introduction:

Our Online Food Ordering System is a comprehensive platform designed to streamline the food ordering process for customers, restaurants, and delivery personnel.

The frontend plays a critical role in delivering a seamless and intuitive user experience,

Ensuring that customers can browse menus, place orders, and track deliveries effortlessly.

Restaurants can efficiently manage their menus, process orders, and monitor customer feedback.

Delivery personnel can track assigned orders and update statuses on the go.

## Overview of the work:

The Online Food Ordering System frontend ensures a user-friendly interface for customers, restaurants, and delivery personnel, featuring tailored login, registration, and homepage functionalities. It includes a form validation page for data accuracy, customer order tracking, menu management, delivery updates, and a feedback system for a seamless experience.

## Technology stack used in Frontend:

1. HTML: For structuring and presenting content on the web.
2. CSS: For styling the application with responsive and visually appealing designs.
3. JavaScript: For implementing interactive elements and ensuring a seamless user experience.
4. Bootstrap: A front-end framework to enhance design responsiveness and speed up development.

## Key Features:

Customer Login & Forgot Password

Customer Registration

Customer Homepage

Restaurant Login & Registration

Restaurant Homepage

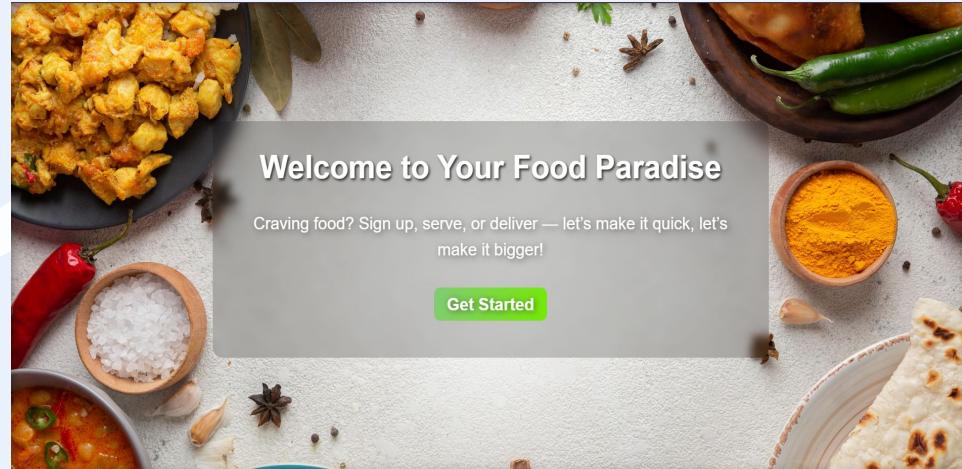
Delivery Login & Registration

Delivery Homepage

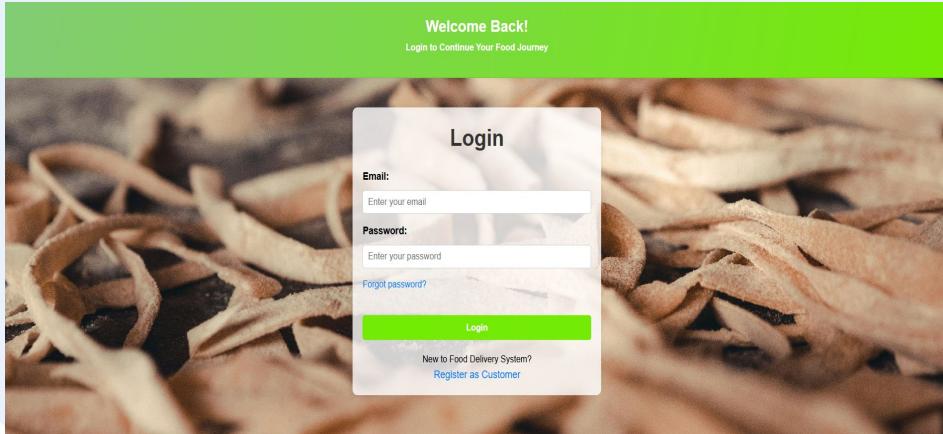
Feedback Form

Power BI Report

□ Homepage: The homepage serves as the landing page and navigate to other sections of the application.



- Customer Login & Forgot Password Page: The Customer Login page allows users to securely log in to their accounts, while the Forgot Password page enables users to reset their password.



**Food Ordering System**

Home About Contact

**Forgot Your Password?**

Email address:

**Submit**

[Back To Home](#)

© 2024 Food Ordering Service | All Rights Reserved

**About Us**  
We are a leading food delivery service offering a variety of cuisines from various restaurants, delivered straight to your door with speed and care. Enjoy your seamless ordering experience.

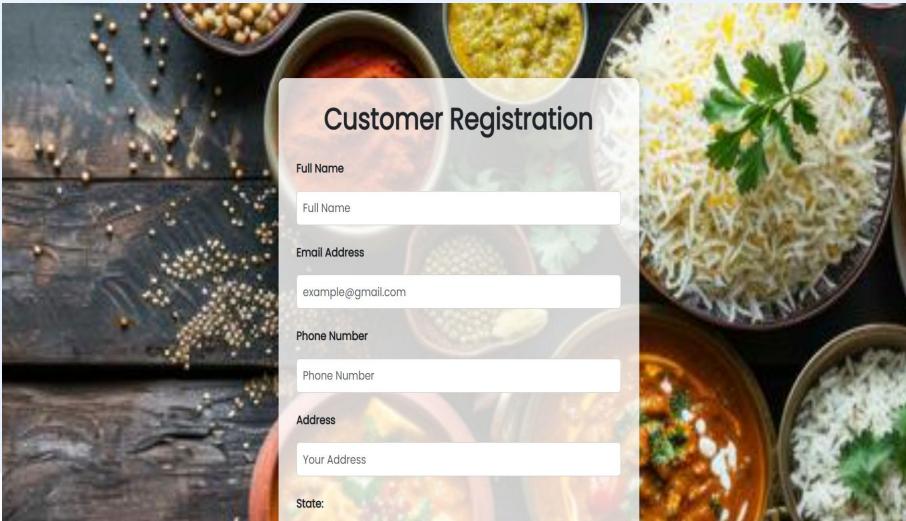
**Useful Links**  
[Home](#)  
[Contact Us](#)

**Follow Us**

**Stay Updated**  
 Enter your email

**Contact Us**  
Email: support@example.com  
Phone: +1 (345) 567-89

- Customer registration Page: The Customer Registration page allows new users to create an account by providing their details and setting up login credentials.



**Customer Registration**

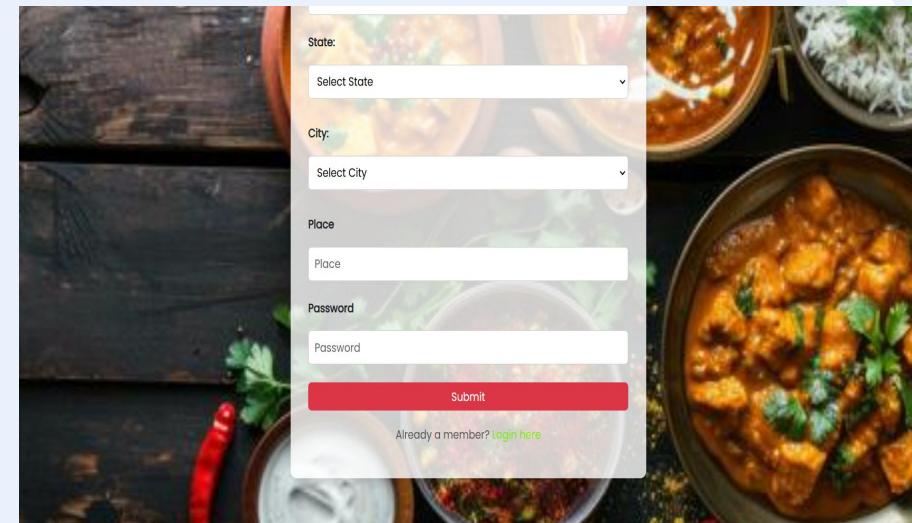
Full Name

Email Address  
 example@gmail.com

Phone Number

Address  
 Your Address

State:



State:  
 Select State

City:  
 Select City

Place

Password

**Submit**

Already a member? [Login here](#)

Customer Homepage: The Customer Homepage displays personalized options like browsing menus, viewing orders, placing orders and even tracking their delivery.

**Explore Our Menu**

Item	Category	Offer	Rating	Delivery Time	Action
dosa	Tiffin	20% OFF	★ 4.5	20-25 mins	UP TO ₹ 20.00 Add to Cart
idli	Tiffin	20% OFF	★ 4.5	20-25 mins	UP TO ₹ 30.00 Add to Cart
idli	Tiffin	20% OFF	None	★ 4.5 - 20-25 mins	UP TO ₹ 40.00 Add to Cart
Mini idli	Tiffin	20% OFF	None	★ 4.5 - 20-25 mins	UP TO ₹ 30.00 Add to Cart
vada	Tiffin	20% OFF	★ 4.5 - 20-25 mins	UP TO ₹ 40.00 Out of Stock	
Chicken biryani	biryani	20% OFF	★ 4.5 - 20-25 mins	UP TO ₹ Add to Cart	
pani puri	indian snack	20% OFF	★ 4.5 - 20-25 mins	UP TO ₹ Add to Cart	
poori	tiffin	20% OFF	★ 4.5 - 20-25 mins	UP TO ₹ Add to Cart	
poori	tiffin	20% OFF	★ 4.5 - 20-25 mins	UP TO ₹ Add to Cart	
Chicken Briyani	Non Veg	20% OFF	★ 4.5 - 20-25 mins	UP TO ₹ Add to Cart	

Hii cust!!

- Home
- Menu
- Register
- Logout
- My Orders
- Cart

Select City Or Area Of Your Choice

Search For Foods Or Restaurants

Biryani Burger Fish Fry Chicken Fry Barbiqee Noodles Pizza Kessari Dessert Cutlet Naan

Track Order View Paradise Avail Offers Quick Reorder Order Favourites

**Restaurants Near You**

Saravana Bhavan

[View Menu](#)

Thalapakatti

[View Menu](#)

A2B

[View Menu](#)

Murugavilas

[View Menu](#)

### Customer and Restaurant Locations

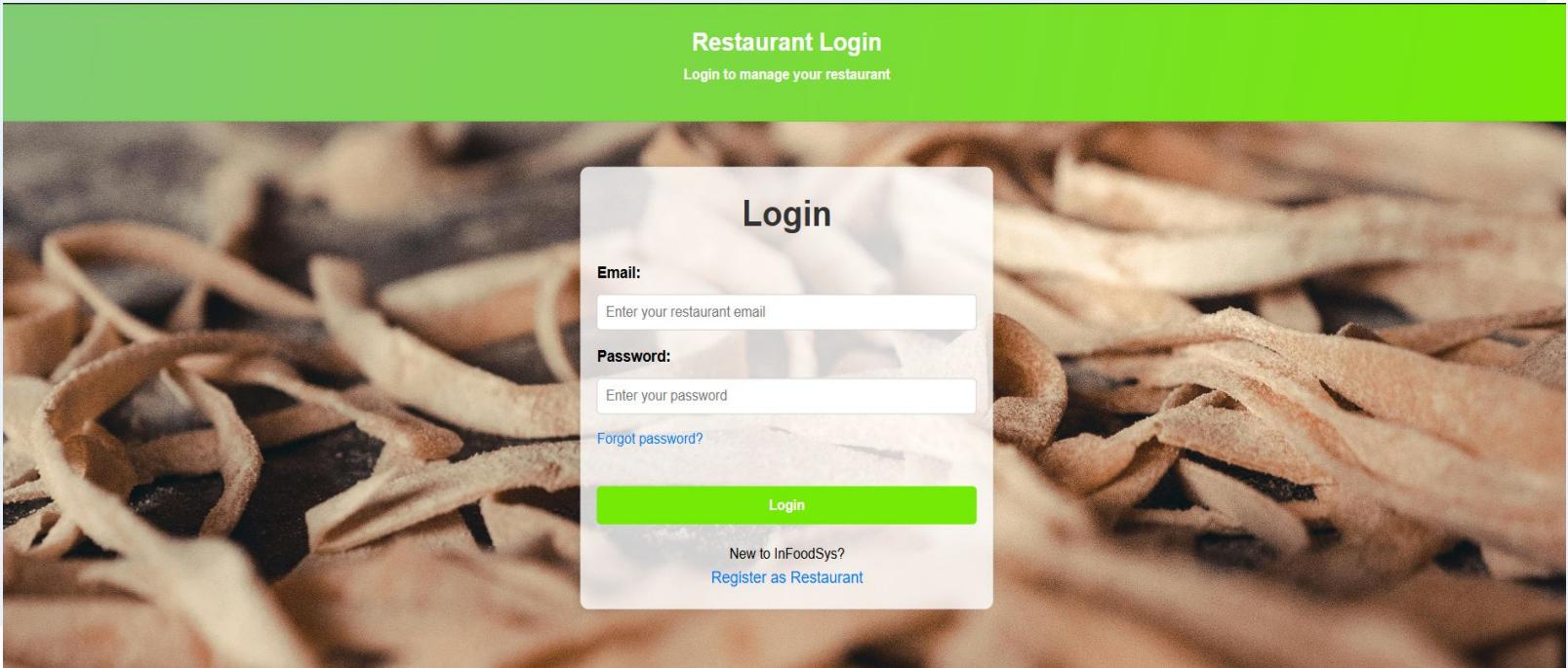
Map Satellite

Customer Location: [Lat, Long]

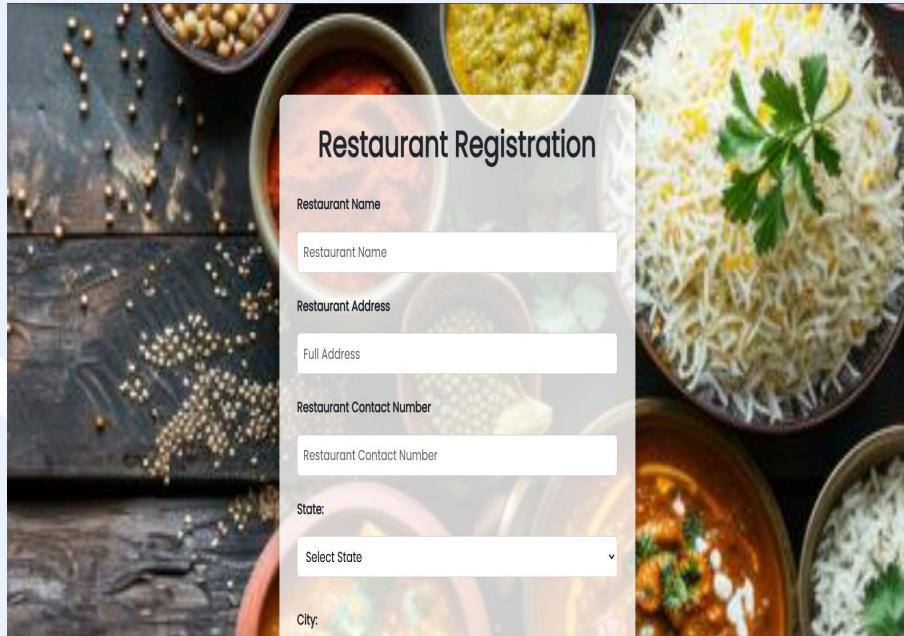
Restaurant Locations: Saravana Bhavan, Thalapakatti, A2B, Murugavilas

Order ID	Items	Quantity	Category	Total Price
HZIUserLKGC	Chicken Biryani (x1)	1	Biryani	320.00

- Restaurant Login Page: The Restaurant Login page allows restaurant owners to securely access their accounts and manage their services.



- Restaurant Registration Page: The Restaurant Registration page enables restaurants to create an account by providing their details and business information.



**Restaurant Registration**

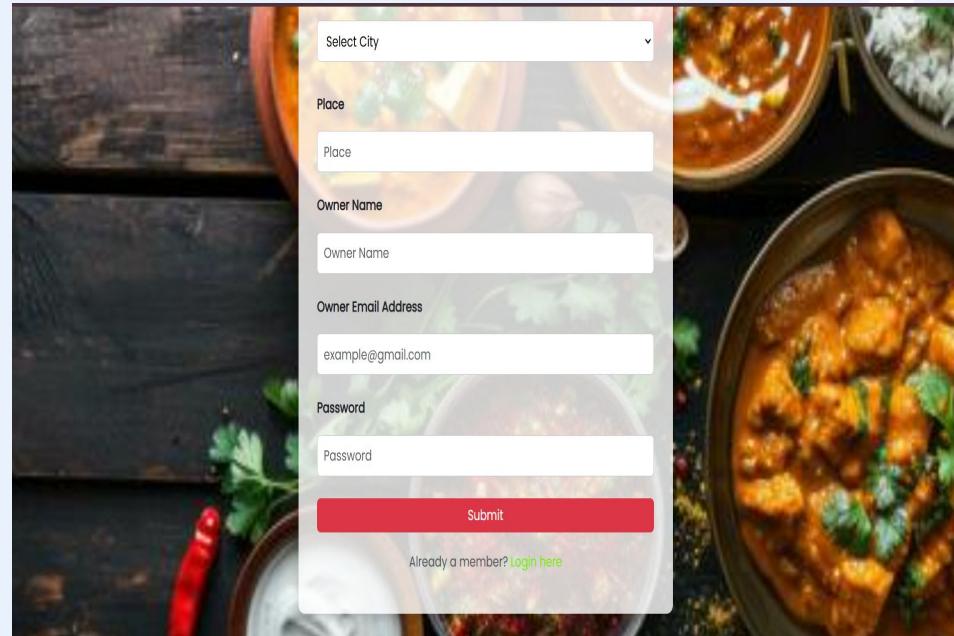
Restaurant Name

Restaurant Address

Restaurant Contact Number

State:

City:



Select City

Place

Owner Name

Owner Email Address  
 example@gmail.com

Password

**Submit**

Already a member? [Login here](#)

- Restaurant Homepage: The Restaurant Homepage allows restaurant owners to manage menus, view orders, and update their profile.

Restaurant Name: Saravana Bhavan

New Food Item Details

Food Name  
Enter food name

Price (Rs.)  
Enter price

Category  
Enter category

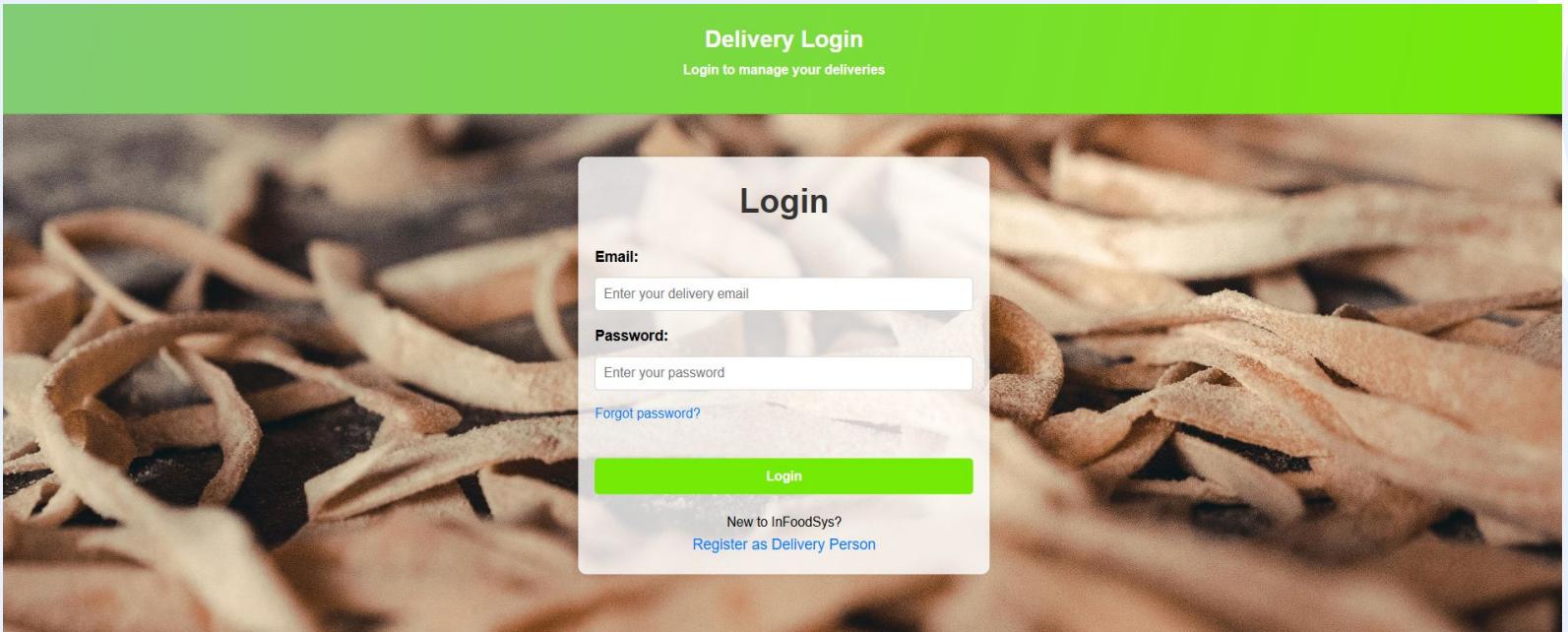
Image  
 Choose File No file chosen

Image  
 Choose File No file chosen

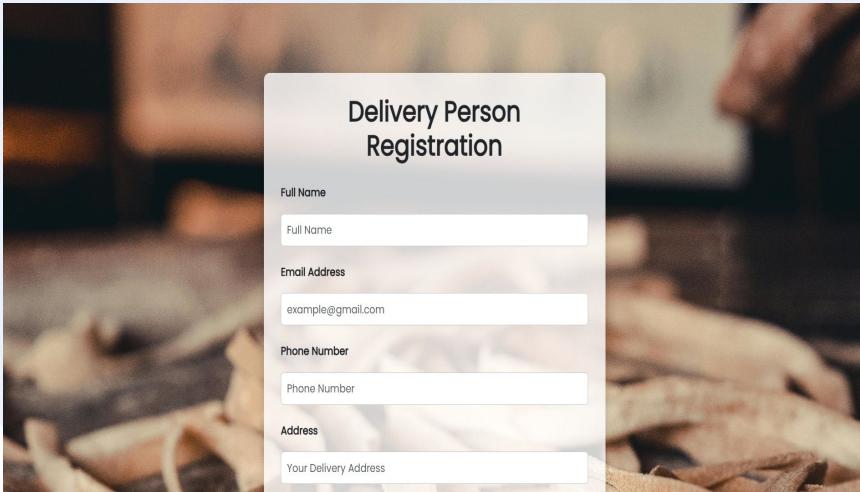
Existing Food Items

#	Name	Price (Rs.)	Category	Image	Actions
1	dosa	20.00	Tiffin		<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Out Of Stock"/>
2	idli	30.00	tiffin		<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Out Of Stock"/>

- Delivery Login Page: The Delivery Login page allows delivery personnel to securely log in to access and manage their delivery tasks.



- **Delivery Registration Page:** The Delivery Registration page enables delivery personnel to create an account by providing their personal and contact details.



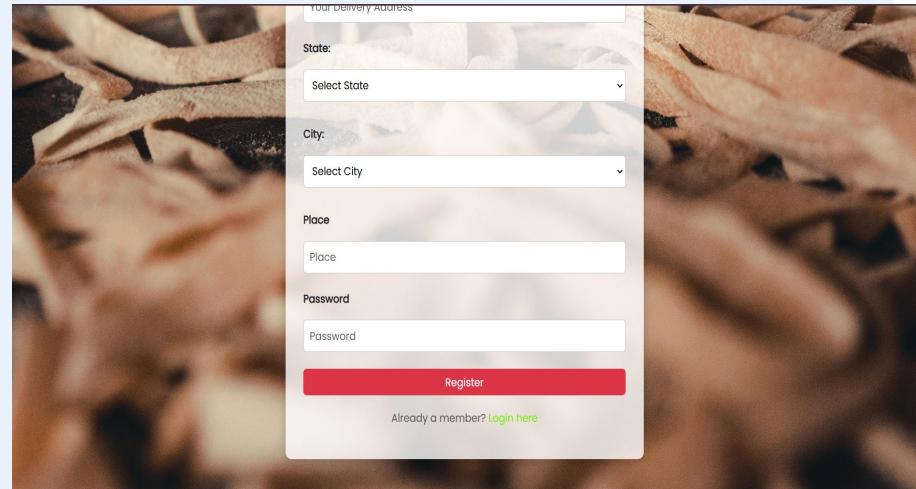
**Delivery Person Registration**

Full Name

Email Address  
 example@gmail.com

Phone Number

Address  
 Your Delivery Address



Your Delivery Address

State:  
 Select State

City:  
 Select City

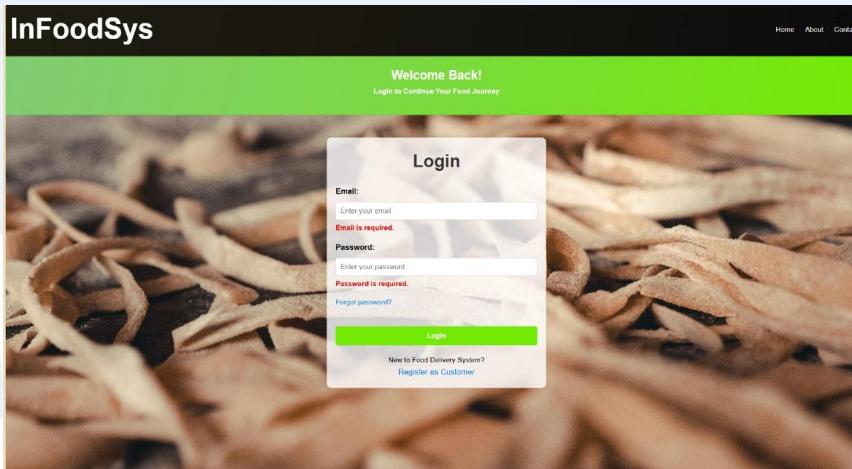
Place

Password

**Register**

Already a member? [Login here](#)

➤ Form Validation: This page ensures all user inputs comply with the required criteria, providing real-time feedback for errors or missing fields in all the modules. It enhances data accuracy, improves user experience, and strengthens application security.

A customer registration form overlaid on a background image of various Indian dishes. The form fields include "Full Name" (with "Name is required." error), "Email Address" (with "Email is required." error), "Phone Number" (with "Phone Number is required." error), "Address" (with "Address is required." error), "State" (with "State is required." error), and a dropdown menu for "City".A second view of the customer registration form from the previous slide, also overlaid on a background of Indian food. The fields and validation errors are identical: "Address is required.", "State is required.", "City is required.", and "Place" (with "Place is required." error). The "Password" field also has the message "Password is required." The bottom right corner of the form has a red "Submit" button and a link "Already a member? Login here".

- **Feedback Form Page:** The Feedback Form page allows customers to provide reviews and ratings for their experience with the service or food.

The screenshot shows a feedback form titled "Rate your experience" in green text at the top center. Below the title, a message reads: "We highly value your feedback! Kindly take a moment to rate your experience and provide us with your valuable feedback." Underneath the message is a five-star rating scale, all of which are filled with grey. A large input field below the stars is labeled "Tell us about your experience!" in a placeholder text. At the bottom of the form is a solid green button with the word "Send" in white text.

Rate your experience

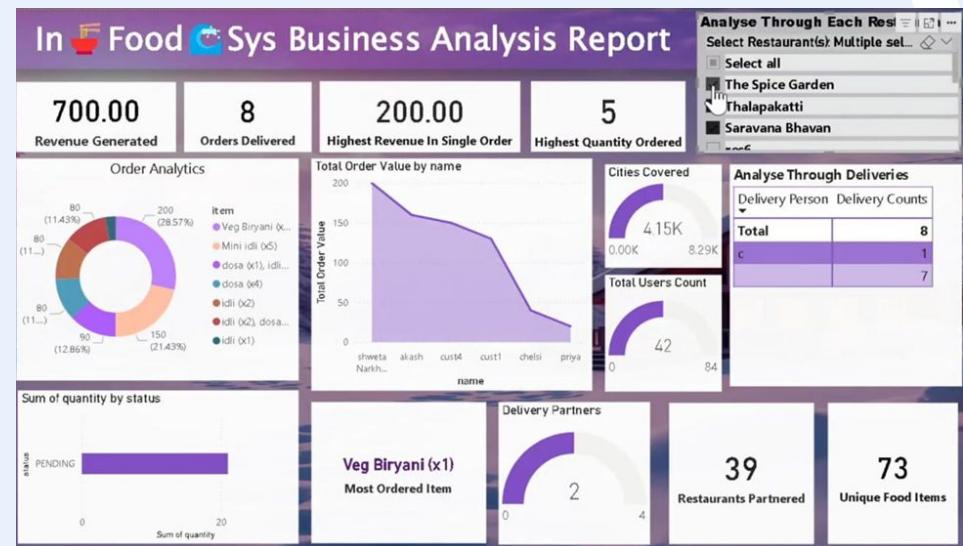
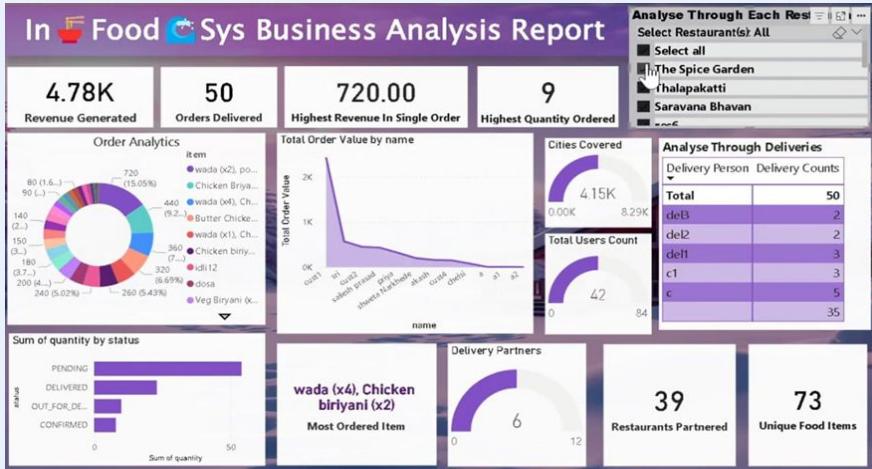
We highly value your feedback! Kindly take a moment to rate your experience and provide us with your valuable feedback.

★★★★★

Tell us about your experience!

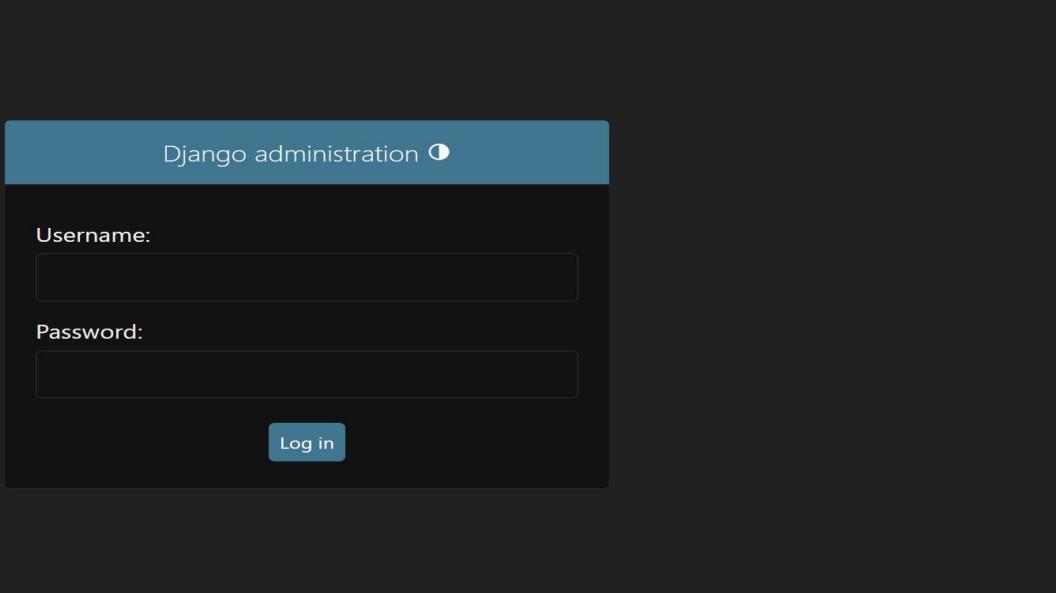
Send

Power BI Report : Report provides highly connected dynamic view of business actions of the application starting from basis measure to highly insightful statics.



## Admin Login :-

- URL : <http://localhost:8000/admin/>
- Credentials : Username : root  
                  Password : root
- By default this superuser is created in this django project



# Manage All Users :-

- All users can be efficiently managed through their respective user rows.

Django administration

Home > Customer > Users

Select user to change

Actions:   0 of 43 selected

NAME	EMAIL ADDRESS	STATE	CITY	PLACE	ADDRESS
Sheetal Narkhede	sheetalnarkhede@gmail.com	Maharashtra	Mumbai	Navi mumbai	400WW-C7A, Rama Kali Shastak Marg, Sector 7, Airoli, Navi Mumbai, Maharashtra 400700
Sneha Thawar	anushu79@gmail.com	Karnataka	Bengaluru	Raja Course Road	51 Salt Lake
Premam Isha	premam7@gmail.com	West Bengal	Kolkata	Raja Course Road	51 Salt Lake
Rohit Saini	rohit77@gmail.com	Maharashtra	Mumbai	Chhatrapati	88 Chhatrapati
Ajay Mehta	ajay33@gmail.com	Maharashtra	Mumbai	Ghatkopar	50 Colaba Causeway
Sunita Iyer	sunita45@gmail.com	Karnataka	Bengaluru	Brigade Road	27 Brigade Road
Tanya Roy	tanya15@gmail.com	Delhi	New Delhi	Green Park	22 Green Park
Priyanka Das	priyanka12@gmail.com	Telangana	Hyderabad	Begumpet	35 Begumpet
Suresh Reddy	suresh16@gmail.com	West Bengal	Kolkata	Salt Lake	77 Salt Lake
Neha Chauhan	neha7@gmail.com	Maharashtra	Mumbai	Colaba Causeway	29 Colaba Causeway
Meera Hair	meera56@gmail.com	Telangana	Hyderabad	MG Road	15 MG Road
Rakesh Yadav	rakesh78@gmail.com	Delhi	New Delhi	Connaught Place	63 Connaught Place
Abhishek Verma	abhishek99@gmail.com	Karnataka	Bengaluru	Race Course Road	10 Race Course Road
Snehl Singh	snehl11@gmail.com	Maharashtra	Pune	Koregaon Park	54 Koregaon Park
Deepak Sharma	deepak91@gmail.com	Karnataka	Bengaluru	Residency Road	21 Residency Road
Kavita Gupta	kavita51@gmail.com	Karnataka	Bengaluru	Brigade Road	89 Brigade Road

WELCOME ROOT VIEW SITE / CHANGE PASSWORD / LOG OUT

127.0.0.1:8000/admin/customer/customersusers/add/

Django administration

Site administration

AUTH TOKEN

Tokens

AUTHENTICATION AND AUTHORIZATION

Groups

CUSTOMER

Cities    
Contacts    
Orders    
Places    
States    
Users

DELIVERY

Users

ORDERING

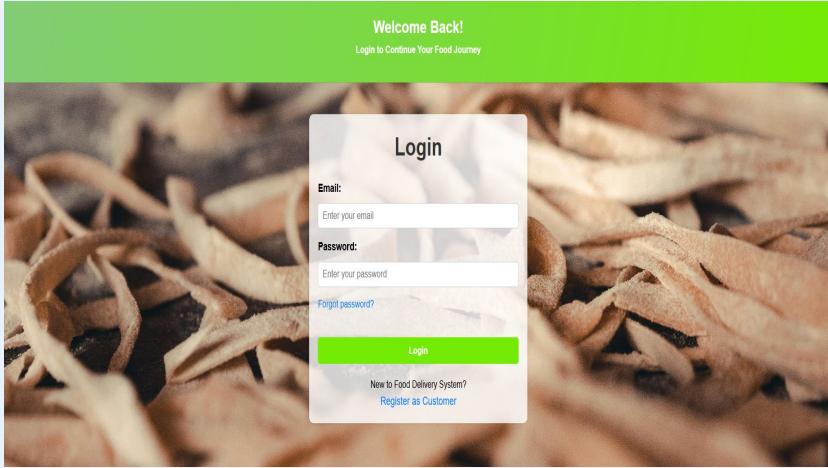
Comments    
Feedbacks

Recent actions

My actions

- ✗ del3 user
- ✗ db2 user
- ✗ c user
- ✗ cust2 - 1057, Guntur, Andhra Pradesh user
- ✗ cust3 - 1059, Guntur, Andhra Pradesh user
- ✗ cust4 - 1046, Guntur, Andhra Pradesh user
- ✗ a - 1055, Guntur, Andhra Pradesh user
- ✗ a2 - 1057, Guntur, Andhra Pradesh user
- ✗ as - guntur, Guntur, Andhra Pradesh user
- ✗ as - guntur, Guntur, Andhra Pradesh user

- URL: For Customer User  
<http://localhost:8000/admin/customer/customeruser/>
- Users can be added manually using the "Add Users" button located in the top-right corner.
- Users can be filtered by their respective state and city, which is available with the rightmost column.

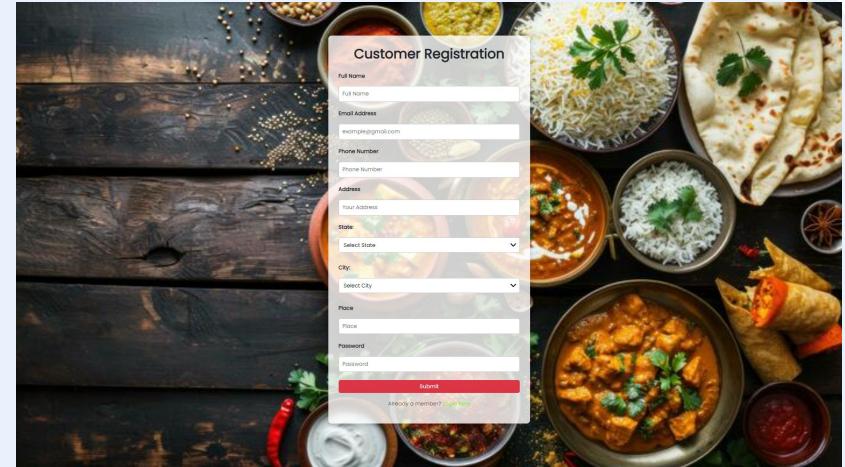


## Customer Registration :-

- During customer registration, the field "is\_user = True" is used to clearly distinguish customer users from restaurant and delivery users. This helps prevent conflicts and ensures appropriate access levels within the system.

## Customer Login :-

- Only customer users are permitted to log in using valid credentials. Other user types, such as restaurant or delivery users, do not have access to this Customer login.



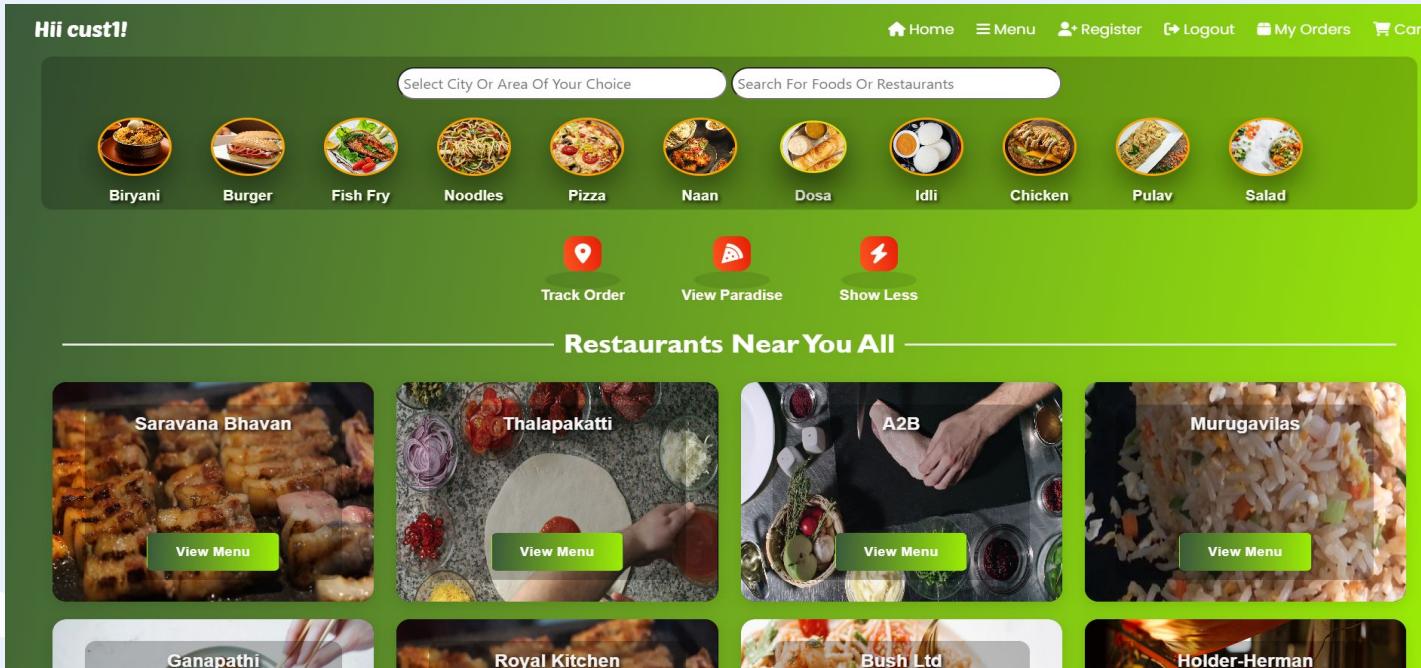
## Customer Homepage :-

- The homepage is customized based on the customer's city, displaying only the restaurants and food items relevant to that specific location. This ensures a tailored experience for each customer.

The screenshot displays a food delivery application interface with a green-themed header and navigation bar. The top bar includes links for Home, Menu, Register, Logout, My Orders, and Cart. A search bar at the top right allows users to "Select City Or Area Of Your Choice" and "Search For Foods Or Restaurants". Below the header, there is a grid of food icons representing various categories like Biryani, Burger, Fish Fry, Noodles, Pizza, Naan, Dosa, Idli, Chicken, Pulav, and Salad. The main content area features a section titled "Restaurants Near You in Guntur" with two visible restaurant cards: "Ganapathi" and "GVS Residency", each with a "View Menu" button. To the right, a large section titled "Explore Our Menu" displays a grid of 12 food items, each with a "Quick Delivery" badge, a thumbnail image, the name, category, price, and an "Add to Cart" button. The items listed are: Chicken Briyani (Non Veg, ₹ 120.00), Burger (Non Veg, ₹ 320.00), Noodles (Veg, ₹ 130.00), Dilquash Briyani (Biryani, ₹ 550.00), Paneer kaju friedrice (Friedrice, ₹ 250.00), Egg kima (Curry, ₹ 220.00), Mughlai Biryani (non veg, ₹ 370.00), crispy baby corn (veg, ₹ 160.00), and paneer pakoda (veg, ₹ 110.00).

## Show all Feature :-

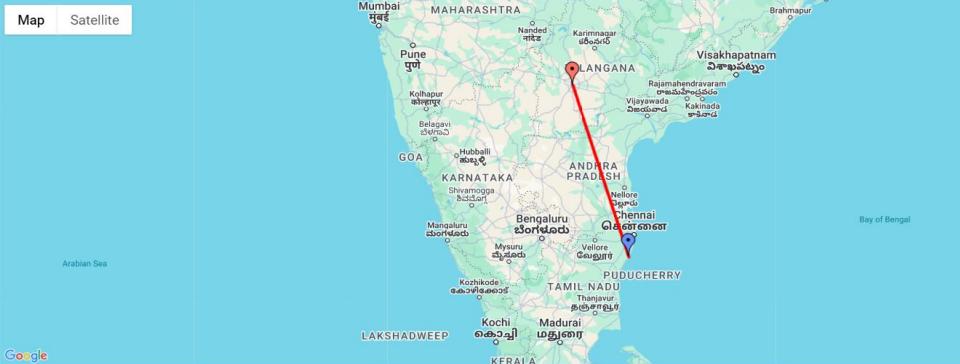
- To display all the restaurants and food items in the database , the "Show All" button is placed at the top of restaurants container



## Track Order Feature :-

- This feature allows customers to track their most recent order using a location-based tracking system, providing real-time updates on the order's status.

**Customer and Restaurant Locations**



Map   Satellite

Google



Order ID	DWjeNZYxOF
Items	Poori (x1), Thali (x1)
Quantity	2
Category	Veg
Total Price	185.00
Restaurant	Holder-Herman

Your Cart						
IMAGE	RESTAURANT NAME	ITEM	CATEGORY	QUANTITY	PRICE	ACTIONS
	rajini123@gmail.com	Poori	Veg	<button>-</button> 1 <button>+</button>	Rs. 60.00	<button>Remove</button>
	rajini123@gmail.com	Thali	Veg	<button>-</button> 1 <button>+</button>	Rs. 125.00	<button>Remove</button>
<b>Total: Rs. 185.00</b>						
<a href="#">Make Payment</a>						

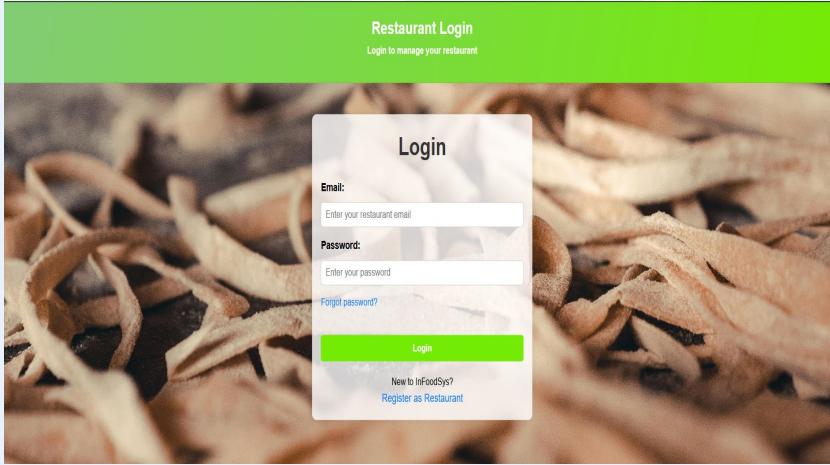
## Cart :-

- Food items from the homepage can be added to the cart. Users can then click the “Make Payment” button to place their order. Note that the payment gateway is not yet integrated, allowing for direct order placement without payment.

## My Orders :-

- All food orders made by the customer are listed, including the corresponding date, time, and restaurant details.

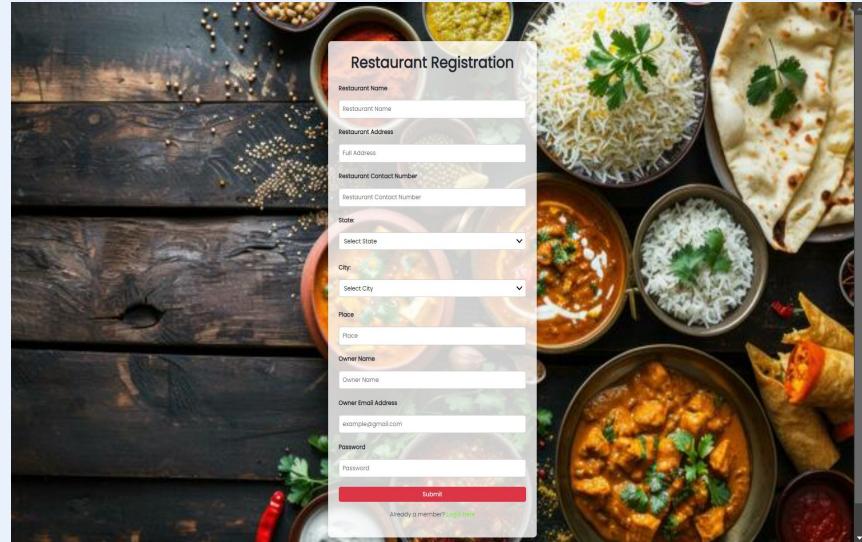
Your Orders							
Total Orders: 3							
ORDER NO	ITEM	QUANTITY	CATEGORY	SUM OF PRICE	STATUS	RESTAURANT NAME	DATE & TIME
RnYLILZzKx	pani puri (x1), poori (x1)	2	tiffin, Indian snack	Rs. 60.00	Pending	Murugavilas	Dec. 25, 2024, 7:20 p.m.
YxDIBQ1xQe	poori (x2)	2	tiffin	Rs. 60.00	Confirmed	Murugavilas	Dec. 25, 2024, 10:24 p.m.
hr5TlMu2r1	Butter Chicken (x1)	1	Non Veg	Rs. 320.00	Pending	Bush Ltd	Dec. 26, 2024, 4:31 p.m.



## Restaurant Registration

- Restaurant users are stored with the additional data field “is\_restaurant = True,” while all other users are marked as “False.” This distinction allows for easy segregation of restaurant users from the rest.

□ Only users with the designation “is\_restaurant == True” are permitted to log in through the restaurant login page.



# Restaurant Homepage

- Restaurant users can add new food items by providing the name, price, and image of each respective item.
- Restaurant users can update or delete previously listed food items. Additionally, there is a special feature called “Out Of Stock,” which indicates that a food item is unavailable for ordering on the customer homepage.

Restaurant Name: Saravana Bhavan

New Food Item Details

Food Name

Price (Rs.)

Category

Image  
 No file chosen

Existing Food Items					
#	Name	Price (Rs.)	Category	Image	Actions
1	dosa	20.00	Tiffin		<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Out Of Stock"/>
2	idli	30.00	tiffin		<input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Out Of Stock"/>

# Restaurant Orders

- Orders placed by customers at their restaurants will be displayed along with customer details and the corresponding time.

Restaurant Orders											
Total Orders: 5											
Enter Order Id... <input type="text"/> Search											
Order Id	Order Items	Category	Restaurant Name	Price	Qty	Customer	Order Time	Order Status	Delivery Person	Delivery Time	Action
txDgw1duc9	idli (x2), dosa (x2)	Tiffin, None	Saravana Bhavan	80.00	4	akash	Dec. 22, 2024, 1:03 p.m.	Pending	c	Dec. 22, 2024, 1:03 p.m.	<button>Update</button> <button>Assign Delivery</button> <button>Delete</button>
iqwH7mEtaT	idli (x1)	None	Saravana Bhavan	20.00	1	priya	Dec. 22, 2024, 7:18 p.m.	Pending	None	Dec. 22, 2024, 7:18 p.m.	<button>Update</button> <button>Assign Delivery</button> <button>Delete</button>
EwQ PUBVxoE	dosa (x1), idli (x1)	Tiffin, None	Saravana Bhavan	40.00	2	chelsi	Dec. 22, 2024, 7:31 p.m.	Pending	None	Dec. 22, 2024, 7:31 p.m.	<button>Update</button> <button>Assign Delivery</button> <button>Delete</button>
01H3ILnKt7	dosa (x1), idli (x1)	Tiffin, tiffin	Saravana Bhavan	50.00	2	cust1	Dec. 25, 2024, 2:29 p.m.	Pending	None	Dec. 25, 2024, 2:29 p.m.	<button>Update</button> <button>Assign Delivery</button> <button>Delete</button>
KjywS1OqD	dosa (x4)	Tiffin	Saravana Bhavan	80.00	4	cust1	Dec. 25, 2024, 2:38 p.m.	Pending	None	Dec. 25, 2024, 2:38 p.m.	<button>Update</button> <button>Assign Delivery</button> <button>Delete</button>

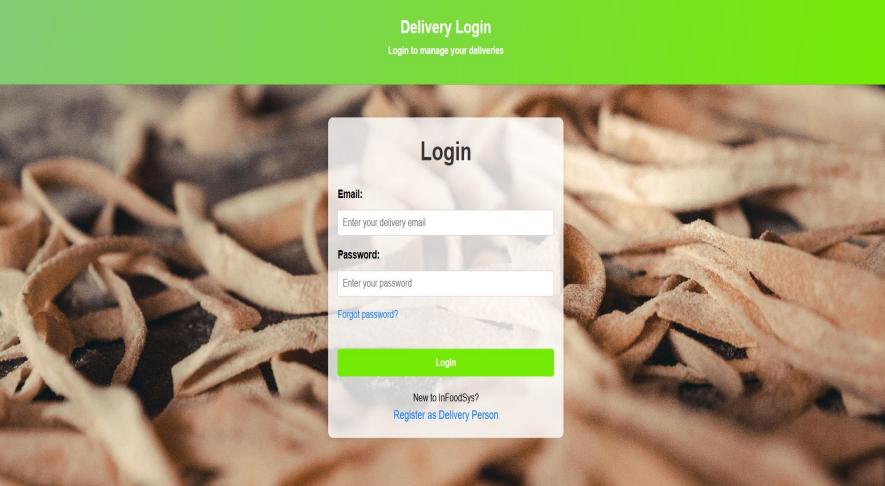
## Actions

- The restaurant user can update the status of each order, delete orders, and assign them to delivery personnel available in their city.

### Assign To Delivery Person

Order Id  
txDgw1duc9

Delivery Person

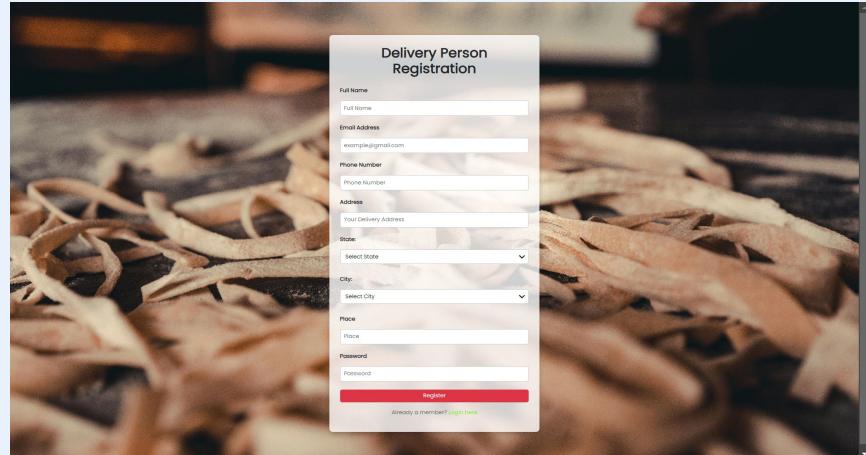


## Delivery Login :-

- Only users designated with "is\_delivery == True" are allowed to log in through the delivery login page.

## Delivery Registration :-

- Similarly, during delivery registration, the data is stored with "is\_delivery = True" to facilitate easy data retrieval.



# Delivery Homepage

- The delivery user can view assigned orders and update delivery statuses. However, they are only permitted to update the status of an order and cannot delete or remove orders placed by customers.

Welcome, c1!

Welcome to the Delivery Dashboard. You can manage your deliveries, view orders, and more.

[Logout](#)

### Assigned Orders

Total Orders: 3

Order ID	Customer Name	Delivery Address	Status
KlstmAMYIZ	cust1	hyderabad	<input type="button" value="Confirmed"/> <input type="button" value="Update"/>
EkbmsDCjBk	cust1	hyderabad	<input type="button" value="Confirmed"/> <input type="button" value="Update"/>
YxDtBQ1xQe	sailesh prasad	chennai	<input type="button" value="Confirmed"/> <input type="button" value="Update"/>

# Food Ordering System

Home About Contact

## Forgot Your Password?

Email address

Submit

[Back To Home](#)

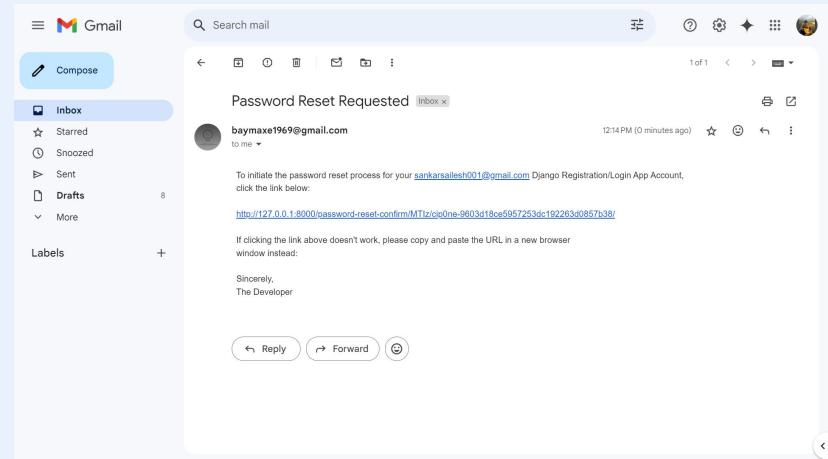
© 2024 Food Delivery System | All rights reserved

## Forgot Password :-

- By providing your email address, a password reset link will be sent to your inbox

## Email Message :-

- The email contains a one-time password reset link, which can only be used by the respective user.



# Food Ordering System

Home About Contact

## Reset Your Password

Enter New Password

Confirm New Password

Reset Password

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## Reset Complete :-

- Once the password reset is complete, you will be redirected to the 'Password Reset Complete' page, followed by the home page.

## Reset Link :-

- Upon following the reset link, you can enter a new password, which will be updated in the database.

# Food Ordering System

Home About Contact

## Password Reset Complete

Your password has been set. You may go ahead to [Home Page](#)

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# API Overview

- APIs are created using the Django rest framework to handle CRUD operations efficiently for Apps like Customer, Restaurant , Comments , Payments etc.
- Integrating Swagger for interactive API documentation, allowing developers to explore, test, and visualize APIs directly from a user-friendly interface.
- Token Authentication: Apply the defined security scheme to the relevant API endpoints in the Swagger specification. This ensures that any requests to these endpoints require a valid token, enhancing the security of APIs.

The screenshot shows the Swagger UI interface for a food ordering system. At the top, the URL is 127.0.0.1:8000/api/swagger/. The title bar includes the Swagger logo and the URL http://127.0.0.1:8000/api/swagger/?format=openapi. A green 'Explore' button is also visible.

The main area is titled 'API v1'. It displays the base URL [ Base URL: 127.0.0.1:8000/api ] and the endpoint http://127.0.0.1:8000/api/swagger/?format=openapi.

Below the title, there's a brief description: 'API for food ordering system'.

Links for 'Terms of service', 'Contact the developer', and 'BSD License' are present.

A dropdown menu 'Schemes' is set to 'HTTP'. To the right are 'Django Login' and 'Authorize' buttons.

A search bar labeled 'Filter by tag' is available.

The 'customer' section contains the following endpoints:

- GET /customer/ (customer\_list)
- POST /customer/ (customer\_create)
- GET /customer/{id}/ (customer\_read)
- PUT /customer/{id}/ (customer\_update)
- PATCH /customer/{id}/ (customer\_partial\_update)
- DELETE /customer/{id}/ (customer\_delete)

The 'delivery-persons' section is partially visible at the bottom.

# Swagger Integration

- Swagger provides an interactive UI for testing API endpoints, which enhances development efficiency and accuracy.
- Endpoint to access swagger: /api/swagger/

# Token Authentication

- Token Authentication is a security mechanism to authenticate users via tokens.
- Implemented using Django REST framework's `rest_framework.authtoken` module .
- User send a post request to `/api/token/` with username and password to receive the token.
- Token Validity - Using the default behavior of Django REST framework, tokens do not have an expiration mechanism. Once a token is generated, it remains valid indefinitely unless manually deleted or refreshed.

# Token Authentication

On providing a username and password a token is generated for the user.

The screenshot shows a Postman interface with the following details:

- Method:** POST
- URL:** http://127.0.0.1:8000/api/token/
- Body:** Raw JSON (selected)

```
1 {
2     "username": "root",
3     "password": "root@123"
4 }
```
- Headers:** (11)
- Responses:** 200 OK  
1.39 s • 348 B • [Raw](#)
- Body Content (Pretty):**

```
1 {
2     "token": "ee0dae75d4ecf8ee5f6c06f780fc940e1850d5a8"
3 }
```

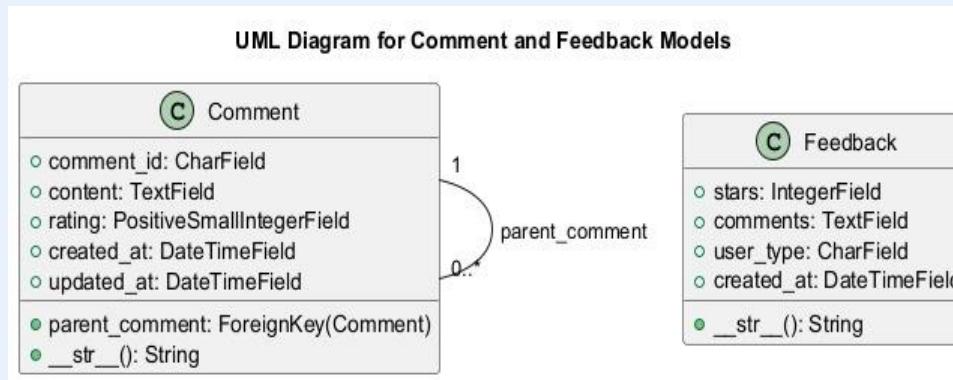
# API Endpoints

## List of endpoints

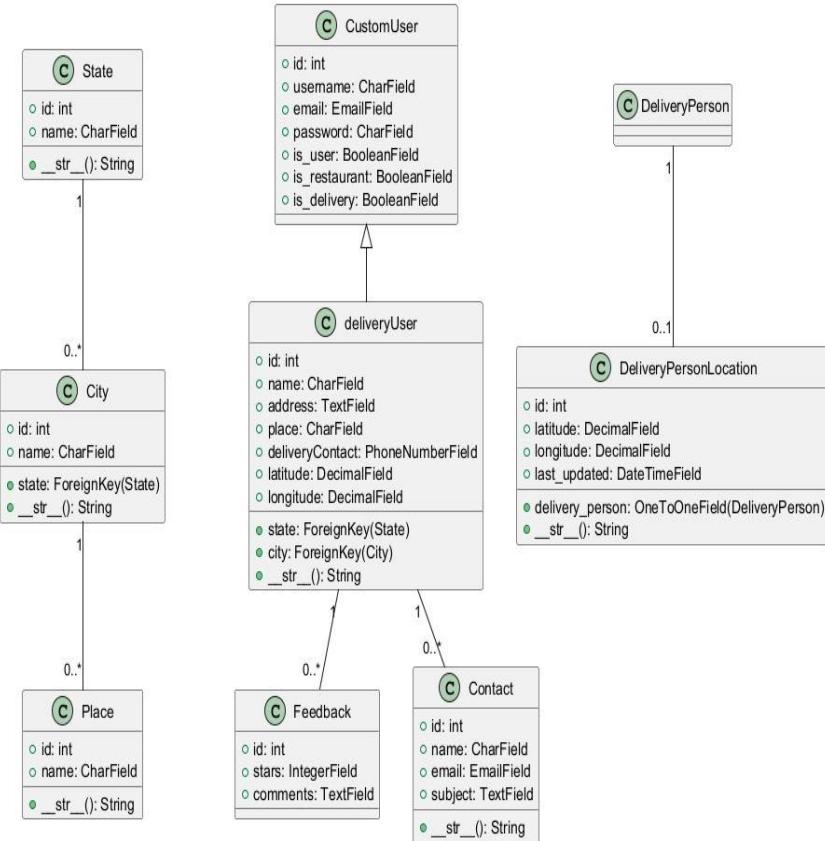
- /api/token/
- /api/customer/
- /api/restaurantusers/
- /api/delivery-users/
- /api/foodItems/
- /api/order/
- /api/comments/
- /api/contacts/
- /api/feedback/
- /api/delivery-locations/
- /api/state/
- /api/place/
- /api/city/

# Database Overview

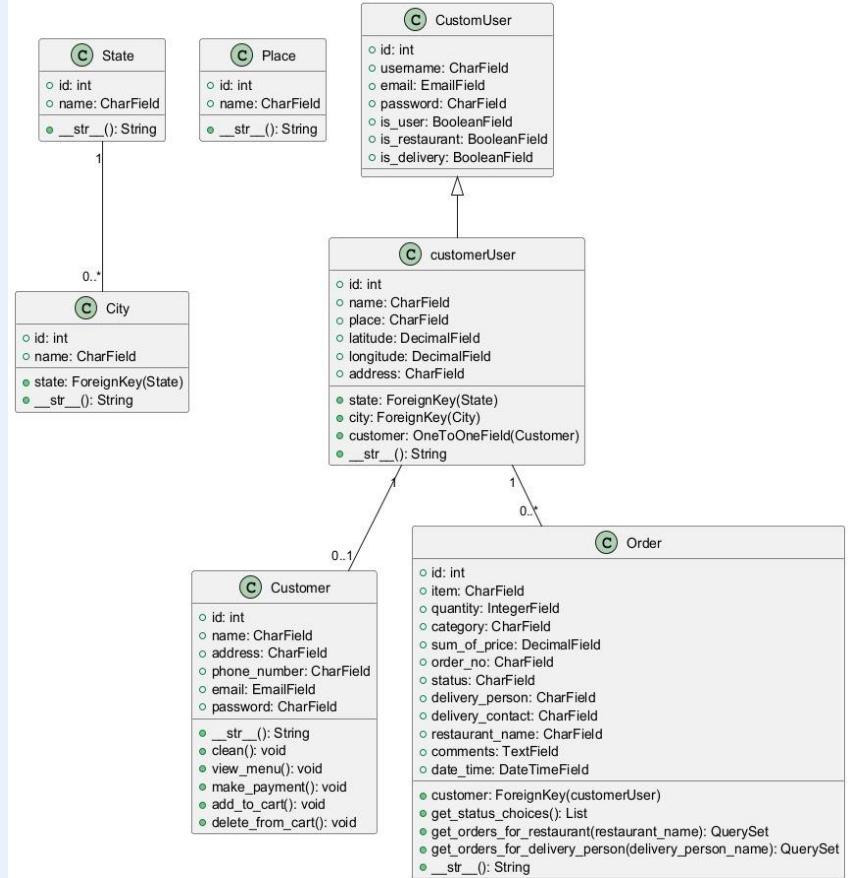
- SQLite was chosen for its simplicity and ease of integration during development.
- The schema includes tables for customer, restaurants, menu items, orders ,delivery, feedback, state, city and place.”



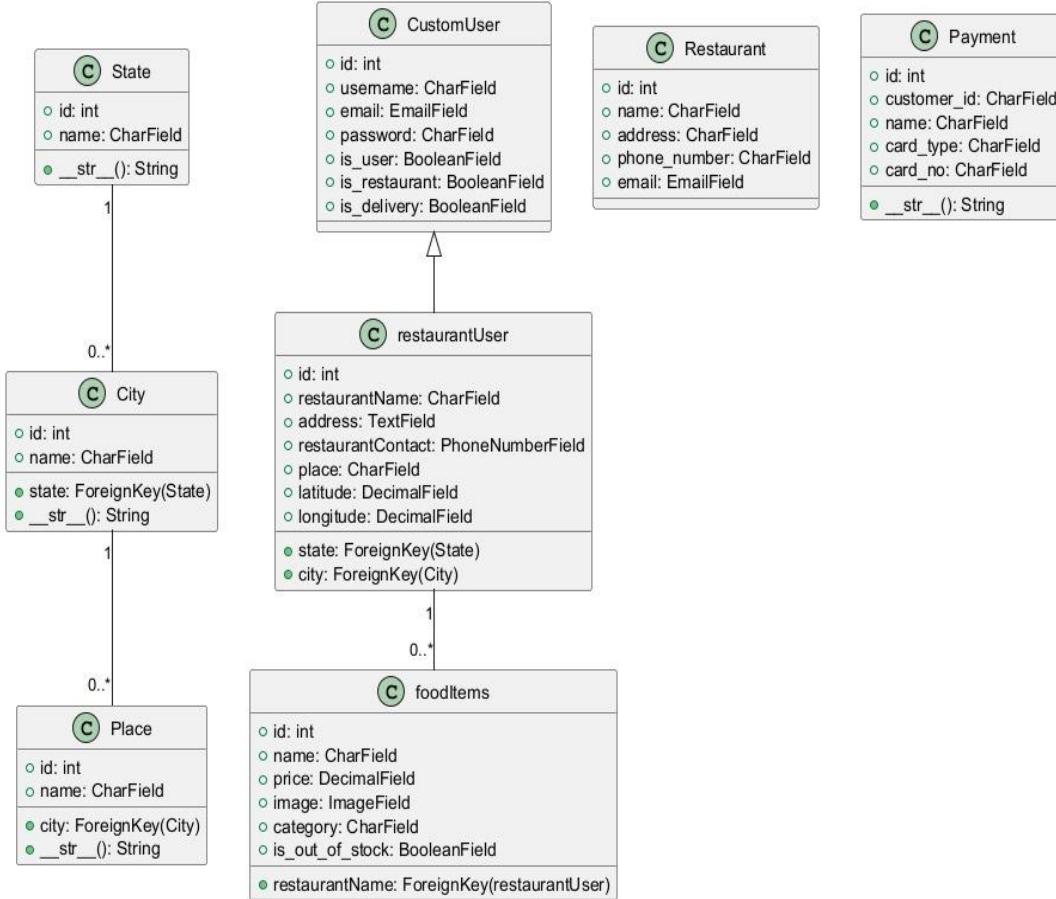
UML Diagram for Delivery Models



UML Diagram for Django Models



UML Diagram for Restaurant Models



# Database Models

- CustomerUser
  - RestaurantUser
  - DeliveryUser
  - State
  - City
  - Place
  - Feedback
  - Comment
- Delivery Person
  - Location
  - Order
  - Food Items

# Testing Overview

- Created Comprehensive Tests: Wrote tests for creating, editing, and deleting model instances.
- Tested Custom Validation: Ensured that custom validation logic is correctly enforced.
- Used Django's TestCase: Leveraged Django's TestCase class for setting up and running tests.

# Steps used to write the tests

- Setup Method: Created initial data for the tests in the `setUp` method.
- Test Creation: Verified that model instances are created correctly.
- Test String Representation: Ensured that the `__str__` method returns the expected string.
- Test Validation: Checked that invalid data raises `ValidationError`.
- Test Editing: Updated model instances and verified that the changes are saved.
- Test Deletion: Deleted model instances and confirmed that they no longer exist in the database.

# Output

- Command Used : python manage.py test –verbosity=2

```
test_delete_product (restaurant.tests.ProductModelTest.test_delete_product) ... ok
test_edit_product (restaurant.tests.ProductModelTest.test_edit_product) ... ok
test_str_method (restaurant.tests.ProductModelTest.test_str_method) ... ok
test_delete_restaurant (restaurant.tests.RestaurantModelTest.test_delete_restaurant) ... ok
test_edit_restaurant (restaurant.tests.RestaurantModelTest.test_edit_restaurant) ... ok
test_restaurant_creation (restaurant.tests.RestaurantModelTest.test_restaurant_creation) ... ok

-----
Ran 45 tests in 8.551s

OK
Destroying test database for alias 'default' ('file:memorydb_default?mode=memory&cache=shared')...
```