

# **ONLINE FOOD ORDERING MANAGEMENT SYSTEM**

## **PROJECT REPORT**

*Submitted by*

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## **Introduction**

In today's fast-paced world, the demand for convenient and efficient food delivery services has surged. The Online Food Ordering Management System is designed to meet this demand by providing a seamless platform for customers to browse, select, and order food from various restaurants with ease. This system bridges the gap between consumers and food service providers, enhancing the overall dining experience.

The core functionality of the Online Food Ordering Management System includes user-friendly interfaces for customers and restaurant owners, enabling easy navigation through menus, real-time order tracking, and efficient payment processing. By leveraging modern technologies, the system not only streamlines the ordering process but also supports various payment options to cater to diverse customer preferences.

This project aims to improve operational efficiency for restaurants by automating order management, reducing human error, and facilitating better communication with customers. Additionally, it provides valuable insights through data analytics, helping restaurant owners to understand customer preferences and optimize their offerings accordingly.

Through this Online Food Ordering Management System, we aspire to enhance the convenience of ordering food, promote local restaurants, and create a more engaging experience for users. By focusing on user satisfaction and operational efficiency, this system aims to set a new standard in the food delivery industry.

# Software and Hardware Requirements

## Software Requirements:

- **VS CODE EDITOR**
- **XAMPP**
- **MYSQL**

## Hardware Requirements:

- **4 GB RAM**
- **1 GHz CPU**
- **Internet access**

## Technologies Used

Online Food Ordering Management System several technologies to ensure its functionality and usability:

- **HTML/CSS**
- **JavaScript**
- **MYSQL**
- **PHP**

# Functionality Overview

The Library Management System is designed using the **Model-View-Template (MVT)** architecture, a key feature of Django that separates concerns and enhances maintainability. Here's a deeper look into each component of the MVT architecture:

## Model

- **Data Structure Definition:** The Model defines the data schema for the application. It includes entities such as:
  - **Books:** Attributes may include title, author, ISBN, category, status (available/borrowed), etc.
  - **Users:** Contains information about library staff and students, such as username, password, email, and role.
  - **Transactions:** Keeps records of borrowing and returning books, tracking which user borrowed which book and when.
- **Database Interaction:** Using Django's ORM, the Model interacts with the SQLite database, allowing for seamless data retrieval and manipulation without writing complex SQL queries.

## View

- **Business Logic Handling:** The View processes user requests and determines which data to display. It contains functions that handle various operations like adding or deleting books, managing user accounts, and processing transactions.
- **Response Generation:** After executing the necessary logic, the View renders the appropriate templates to present the results to the user. This ensures a clear separation between the data layer and presentation layer.

## Template

- **Frontend Presentation:** The Template layer comprises HTML files that dictate how the application is displayed in the user's browser. Each template is designed to be responsive and user-friendly, ensuring an intuitive user interface.
- **Integration with Bootstrap:** By utilizing Bootstrap, templates are styled consistently across different devices, enhancing user experience and accessibility.

# System Features

## User Management

- **Register:** New users can create an account by providing necessary details, ensuring only authorized personal can access the system.
- **Login:** Secure authentication process to verify user credentials and grant access to the application.
- **Profile Page:** Displays order food details, orders and tickets allowing users to edit details.
- **Update Profile:** Users can modify their personal information, ensuring the data remains current and accurate.
- **Logout:** Securely ends the user session, protecting sensitive information from unauthorized access.

## Online Food Order Management

### User Registration and Authentication:

- Allows users to create accounts, log in, and manage their profiles.
- Secure password management and recovery options.

### Order Listings:

- Comprehensive listings of restaurants with detailed information, including menus, operating hours, and contact details.
- Filtering options based on cuisine, ratings, and proximity.

### Menu Browsing:

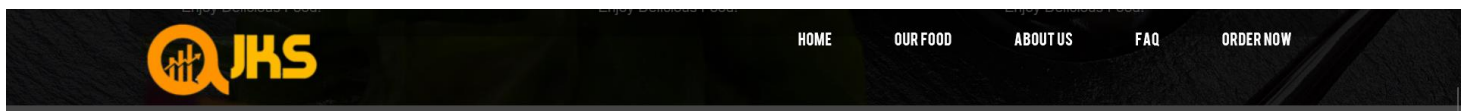
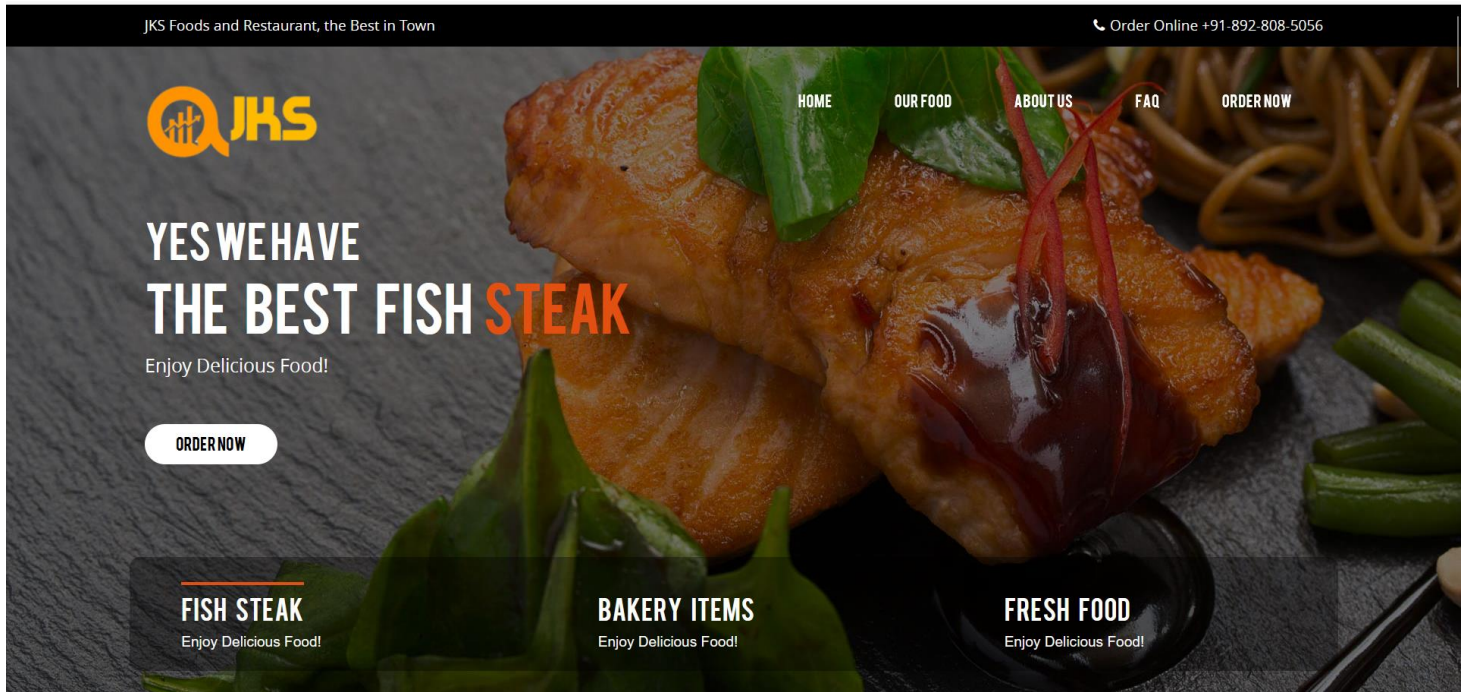
- Interactive menus that display food items, prices, descriptions, and images.
- Options to customize orders (e.g., add toppings, select portion sizes).

### Customer Support:

- Integrated chat or support ticket system for users to resolve issues or ask questions.
- FAQs and help sections for common inquiries.

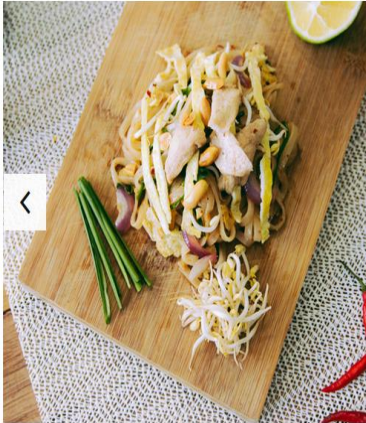
# Project Output/Screenshot

## Frontend snapshots:





## FEATURED FOOD



### Thai Chicken Chilly

Enjoy Delicious Food!



### Celeriac Soup & Beer

Enjoy Delicious Food!

## OUR MENU

Classic Nachos	INR 499.00
Nachos Grande	INR 249.00
Avocado Shell Stuffed	INR 150.00
Stuffed Mushroom	INR 199.00
Baked Potato Jackets	INR 99.00
Mexican Taco	INR 899.00
Tex-Mex Chicken	INR 1250.00
Quesadillas Acapulco	INR 399.00

### Other Special Menu

Enjoy Delicious Food!



## Backend Snapshot:

Rohan  
Customer

Order Food

Orders

Tickets

Edit Details

ORDER FOOD


Name	Image	Item Price/Piece	Quantity
Baked Potato Jackets		99	Quantity
Mexican Taco		899	Quantity
Quesadillas Acapulco		399	Quantity


\$ 2000


# Register

Join us now!

  Username


  Name

  Password


  Phone

LOGIN

Already have an account? [Login](#)

 **Kartik**  
Customer

 Order Food

 Orders >

 Tickets v

All Tickets

 Edit Details

If you're experiencing any issues, contact us by opening a ticket.

## OPEN A TICKET

Subject

food quality is good

Description

the food is tasteles and the odour is also not the good

Type

Support

SUBMIT >

## DATABASE SNAPSHOT:

phpMyAdmin

Recent Favorites

Server: 127.0.0.1 » Database: food » Table: orders

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 10 (11 total, query took 0.0005 seconds.)

SELECT \* FROM `orders`

Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

		id	customer_id	address	description	date	payment_type	total	status	deleted
<input type="checkbox"/>	Edit Copy Delete	1	2	Address 2	Sample Description 1	2017-03-28 17:32:41	Wallet	150	Yet to be delivered	0
<input type="checkbox"/>	Edit Copy Delete	2	2	New address 2		2017-03-28 17:43:05	Wallet	130	Cancelled by Customer	1
<input type="checkbox"/>	Edit Copy Delete	3	3	Address 3	Sample Description 2	2017-03-28 19:49:33	Cash On Delivery	130	Yet to be delivered	0
<input type="checkbox"/>	Edit Copy Delete	4	3	Address 3		2017-03-28 19:52:01	Cash On Delivery	130	Cancelled by Customer	1
<input type="checkbox"/>	Edit Copy Delete	5	3	New Address 3		2017-03-28 20:47:28	Wallet	285	Paused	0
<input type="checkbox"/>	Edit Copy Delete	6	3	New Address 3		2017-03-30 00:43:31	Wallet	325	Cancelled by Customer	1
<input type="checkbox"/>	Edit Copy Delete	7	8	chandigarh		2024-10-28 12:05:52	Wallet	1996	Yet to be delivered	0
<input type="checkbox"/>	Edit Copy Delete	8	8	punjab		2024-10-28 14:10:58	Wallet	0	Yet to be delivered	0
<input type="checkbox"/>	Edit Copy Delete	9	9	byuhwfeh		2024-11-02 17:26:29	Wallet	495	Yet to be delivered	0
<input type="checkbox"/>	Edit Copy Delete	10	13	Jammu		2024-11-05 12:00:09	Wallet	198	Yet to be delivered	0
<input type="checkbox"/>	Edit Copy Delete	11	14	chankhhj		2024-11-05 12:07:54	Wallet	99	Yet to be delivered	0

Check all With selected: Edit Copy Delete Export

phpMyAdmin

Recent Favorites

Server: 127.0.0.1 » Database: food » Table: users

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

		id	role	name	username	password	email	address	contact	verified	deleted
<input type="checkbox"/>	Edit Copy Delete	1	Administrator	Admin 1	admin	Demopass@123		Address 1	9898000000	1	0
<input type="checkbox"/>	Edit Copy Delete	2	Customer	Customer 1	user1	Demopass@123	mail2@example.com	Address 2	9898000001	1	0
<input type="checkbox"/>	Edit Copy Delete	3	Customer	Customer 2	user2	pass2	mail3@example.com	Address 3	9898000002	1	0
<input type="checkbox"/>	Edit Copy Delete	4	Customer	Customer 3	user3	pass3			9898000003	0	0
<input type="checkbox"/>	Edit Copy Delete	5	Customer	Customer 4	user4	pass4			9898000004	0	1
<input type="checkbox"/>	Edit Copy Delete	6	Customer	Kaushik	kaushikjadhav293	1234567890	NULL	NULL	1234567890	1	0
<input type="checkbox"/>	Edit Copy Delete	7	Customer	Kaushik2	kaushikjadhav01	1234567890	NULL	NULL	1234567890	1	0
<input type="checkbox"/>	Edit Copy Delete	8	Customer	rohit	rohitmourya085	Rohitm123	NULL	NULL	1234567890	0	0
<input type="checkbox"/>	Edit Copy Delete	9	Customer	sonu yadav	sonu@123	Sonu@123	NULL	NULL	4561237890	0	0
<input type="checkbox"/>	Edit Copy Delete	10	Customer	fxsx	gdgh	Rohit@123	NULL	NULL	3545454545464646	0	0
<input type="checkbox"/>	Edit Copy Delete	11	Customer	Shivam	Shivam	Shivamhg22	NULL	NULL	9129423904	0	0
<input type="checkbox"/>	Edit Copy Delete	12	Customer	rahul	rahul@123	Rahul@123	NULL	NULL	9821431220	0	0
<input type="checkbox"/>	Edit Copy Delete	13	Customer	rohan	rohan@123	Rohan@123	NULL	NULL	7304037633	0	0
<input type="checkbox"/>	Edit Copy Delete	14	Customer	ayush	ayush	asdf@123	NULL	NULL	9129423904	0	0
<input type="checkbox"/>	Edit Copy Delete	16	Customer	kartik	kartik123	Kartik@123	NULL	NULL	1234567890	0	0

Check all With selected: Edit Copy Delete Export

phpMyAdmin

Recent Favorites

Server: 127.0.0.1 » Database: food » Table: tickets

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

Showing rows 0 - 2 (3 total, Query took 0.0008 seconds.)

SELECT \* FROM `tickets`

☐ Profiling [ Edit inline ] [ Edit ] [ Explain SQL ] [ Create PHP code ] [ Refresh ]

☐ Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

Extra options

				id	poster_id	subject	description	status	type	date	deleted
<input type="checkbox"/>	Edit	Copy	Delete	1	2	Subject 1	New Description for Subject 1	Answered	Support	2017-03-30 18:08:51	0
<input type="checkbox"/>	Edit	Copy	Delete	2	14	sdfujbuihv	djbjkbbefwdsabijbjfbjkbjkbfa	Open	Support	2024-11-05 12:08:52	0
<input type="checkbox"/>	Edit	Copy	Delete	3	16	food quality is good	the food is tasteles and the odour is also not the...	Open	Support	2024-11-05 12:25:53	0

☐ Check all | With selected: Edit Copy Delete Export

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## Conclusion

An Online Food Ordering Management System also offers scalability, enabling businesses to reach a larger audience, boost sales, and gather valuable customer data for tailored marketing. By minimizing dependency on physical interactions, it meets the growing demand for contactless service and provides real-time insights into customer preferences and business performance. Overall, it fosters a seamless, efficient, and satisfying experience for all stakeholders, positioning businesses to stay competitive in a digital-first environment.