

ONLINE FOOD ORDERING SYSTEM

Abstract

This project aims to develop a comprehensive online food ordering system using Django, a powerful Python web framework. In today's fast-paced world, such systems have become a necessity for restaurants to stay competitive and cater to the evolving needs of customers.

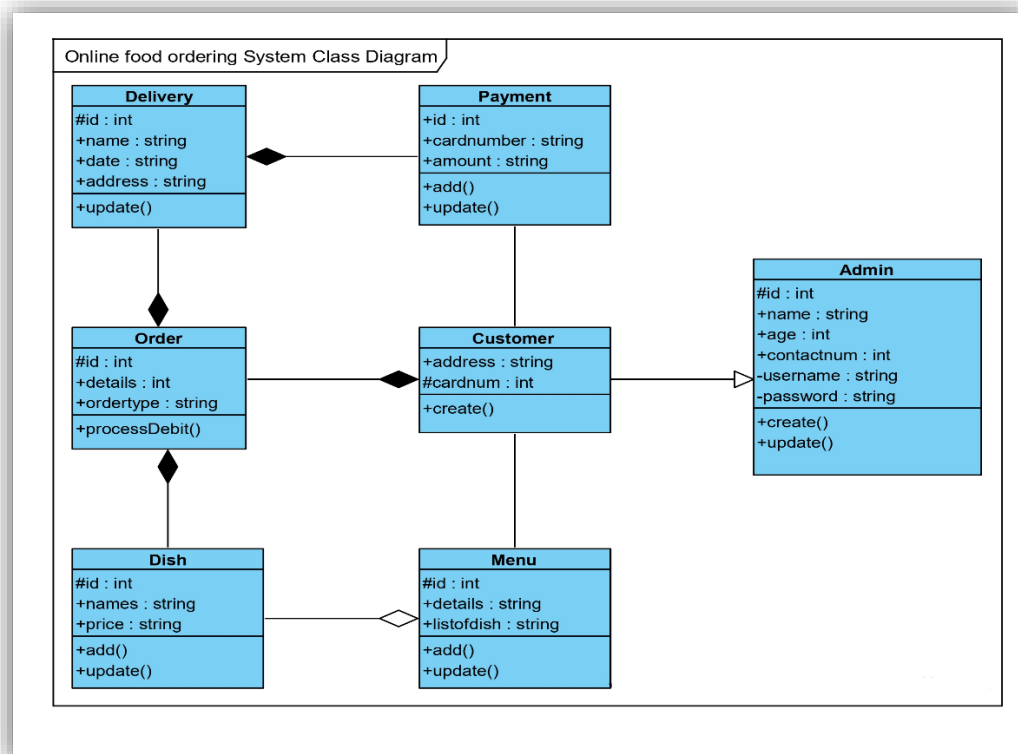
The system will encompass various modules including user authentication, menu management, order processing, and payment integration. Django's robust authentication system will ensure secure user registration and login, providing a personalized experience for customers. Restaurant owners will have the capability to effortlessly manage their menus, update item availability, and showcase specials or promotions.

Customers will enjoy a seamless ordering experience, with features such as browsing menus, customizing orders, and adding items to their cart. Integration with popular payment gateways will enable secure transactions, supporting various payment methods for customer convenience.

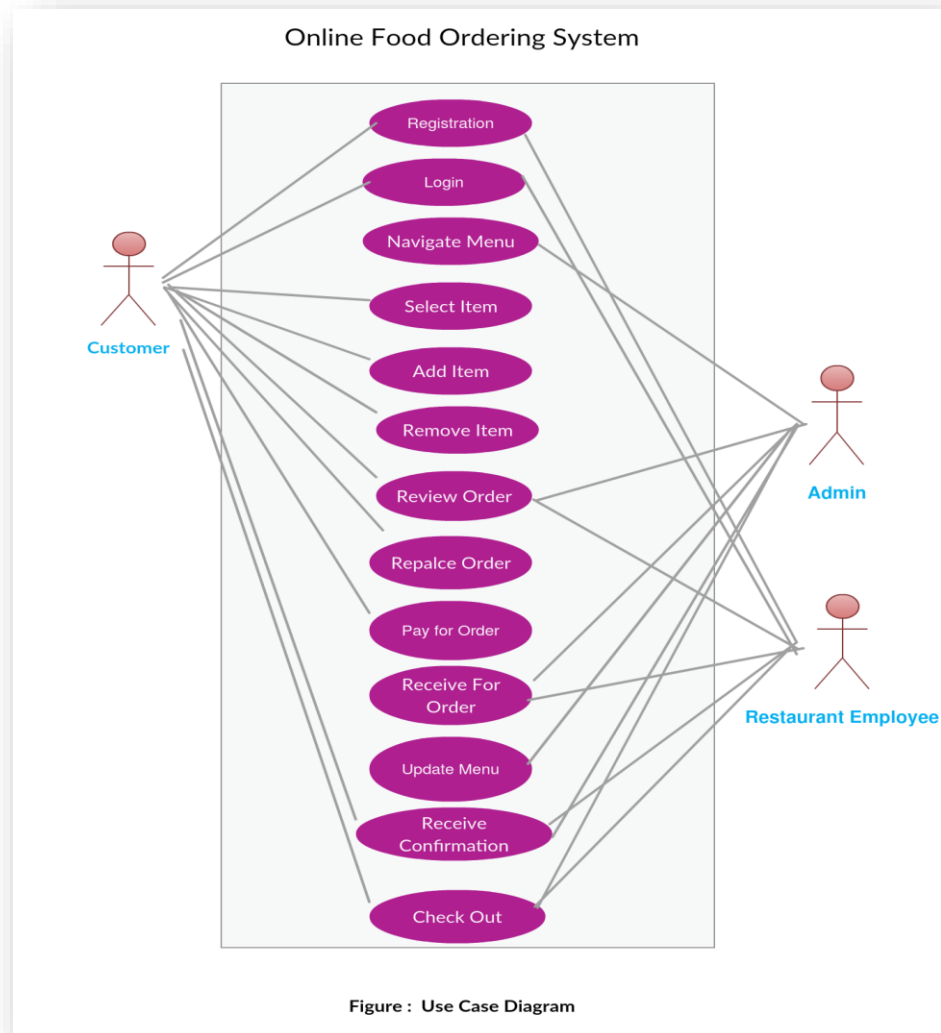
Moreover, the system will incorporate real-time order tracking, automated notifications, and feedback mechanisms to enhance communication and customer satisfaction. It will be designed with scalability in mind, allowing for easy expansion and adaptation to the changing demands of the market. By leveraging the capabilities of Django, this online food ordering system aims to streamline operations for restaurant owners while providing a convenient and enjoyable dining experience for customers, ultimately enhancing the overall efficiency and profitability of the food service industry.

UML Diagrams

1. Class Diagram

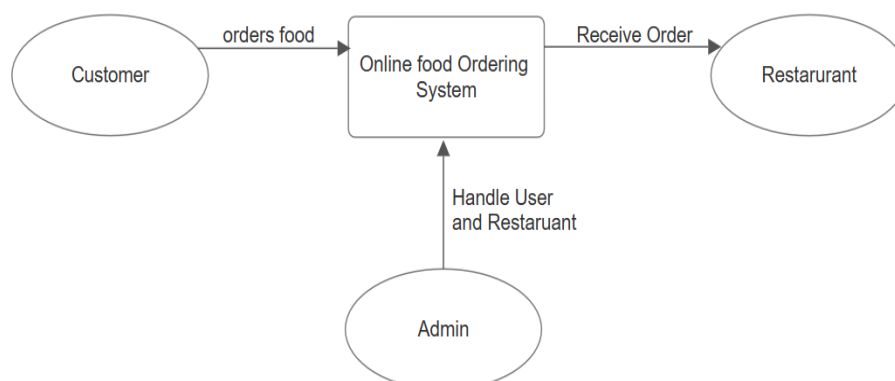


2. Use-Case Diagram

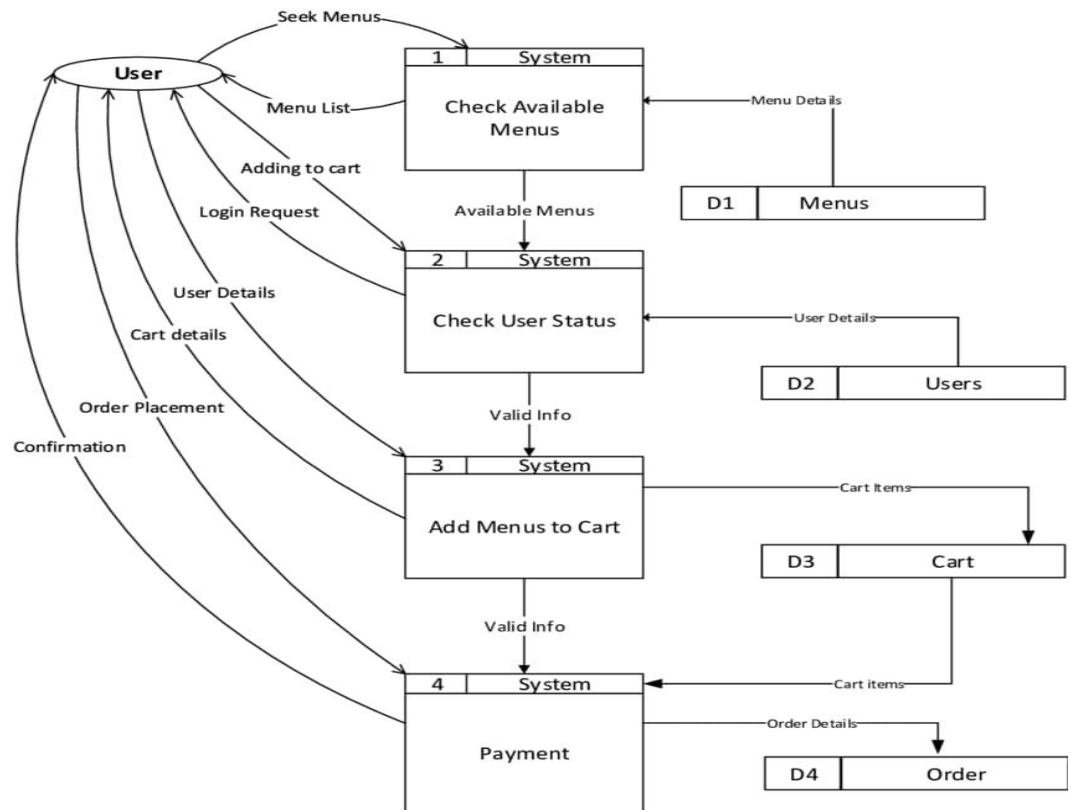


3. Data Flow Diagram

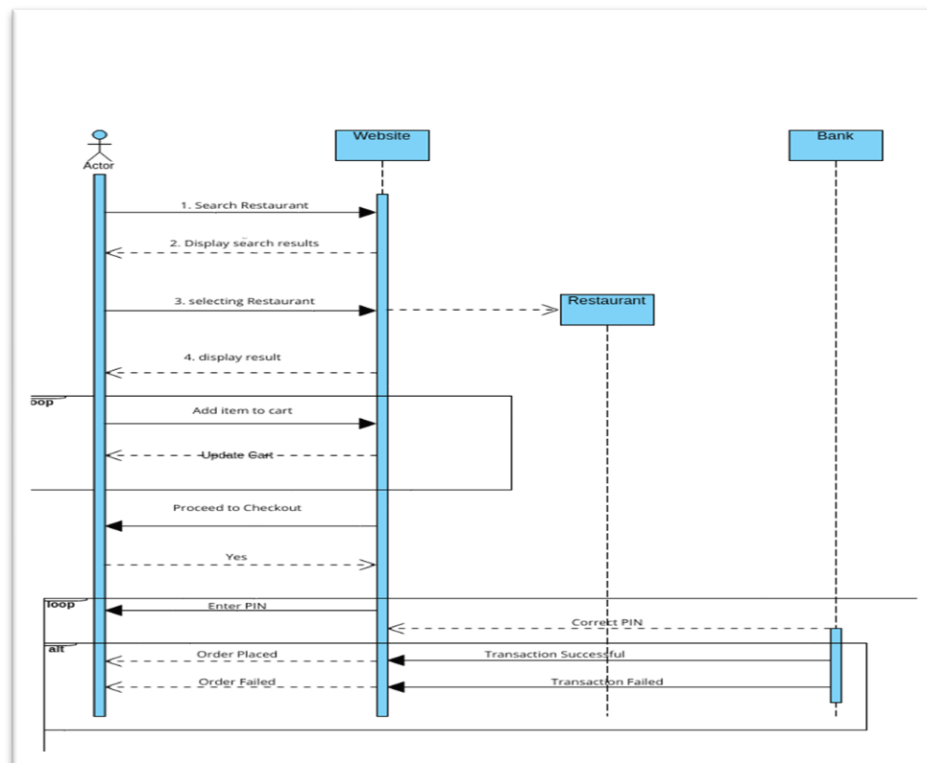
- Level 0: Context Diagram



- Level 1:



4. Sequence Diagram



SOFTWARE AND HARDWARE REQUIREMENTS

Hardware Requirements:

- Server: A computer to host your website.
- Storage: Space to store website files and data.
- Memory (RAM): Enough memory for the website to run smoothly.
- Network Infrastructure: Reliable internet connection.

Software Requirements:

- Operating System: Linux, macOS, or Windows.
- Python: The programming language Django is built on.
- Database Management System: PostgreSQL, MySQL, SQLite, etc.
- Web Server: Nginx or Apache to serve your website.
- Additional Python Packages: Install what your website needs.
- Django Framework: The main tool for building your website.