# **Restaurant Management System**

# **ABSTRACT**

We are developing a Restaurant Management System using the very well-known object-oriented programming language, JAVA.

The system provides well-defined interfaces for managing menu items, processing orders, and handling customer interactions. These interfaces allow seamless communication between different components within the restaurant system.

The system includes robust exception-handling mechanisms. When errors occur during order processing (such as out-of-stock items or payment failures), appropriate exceptions are raised and handled gracefully.

In summary, this Restaurant Management System combines well-defined interfaces, abstract classes, exception handling, and polymorphism to enhance operational efficiency and provide a seamless dining experience. a

A dynamic Restaurant Management System designed to revolutionize the food service industry. With intuitive interfaces for menu items, orders, and customer management.

It simplifies tasks for restaurant staff while enhancing the dining experience for customers. Leveraging abstract classes for core functionalities and robust exception-handling mechanisms, the system ensures reliability and adaptability in handling order processing errors and inventory issues.