**A**

**Synopsis On**

FOOD ORDERING SYSTEM

Partial fulfillment of the requirements for the degree of

**Master of Computer Applications**

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## ABSTRACT

A food ordering system is a digital platform that enables customers to place and pay for food orders online from various restaurants. The system typically features a user-friendly interface that allows customers to browse menus, select items, customize orders, and track delivery. On the restaurant side, the system includes an interface for managing orders, menus, inventory, and payments. Additionally, the system may feature tools for generating sales reports, analysing customer data, and managing promotions. By automating the food ordering process, the system can help restaurants increase efficiency, reduce costs, and provide better customer service. For customers, the system provides a seamless and convenient way to order food, pay, and track delivery from the comfort of their home or office.



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# Introduction

A food ordering system is a software application that allows customers to place orders for food online or via mobile devices. This type of system has become increasingly popular in recent years as more people are looking for convenient ways to order food.

The food ordering system typically consists of a website or mobile application that customers can access to browse menus, select dishes, customize their orders, and submit payment. The system then sends the order directly to the restaurant or food establishment, where it can be prepared and delivered or made available for pickup.

The benefits of a food ordering system are numerous. For customers, it offers the convenience of ordering from their own device, the ability to browse menus and customize orders, and the flexibility to choose delivery or pickup options. For restaurants, it provides a streamlined way to manage orders, reduces the risk of errors in order processing, and increases the efficiency of the overall ordering process.

Overall, a food ordering system can be a valuable tool for both customers and businesses, making it easier to order and deliver food quickly and efficiently.

# Resources

### (a -) Hard Requirements

Hardware- **:** Processor i3 or above

Clock speed- **:** 3.0 GHz

RAM size- **:** 4 GB [MINIMUM]

Hard Disk capacity- **:** 500 GB [MINIMUM]

### (b -) Software Requirements

Operating System- **:** Windows 10

Browser- : Google chrome. Application software- **:** Microsoft Visual studio

Server Required- Language Required-

**:** SQL Server

**:** Asp.net, C#

Documentation- **:** MS Word

# Module Description

A food ordering system typically consists of several modules or components that work together to provide a seamless experience for both customers and restaurants. Here are some of the key modules typically included in a food ordering system:

1. Customer-facing website or mobile app: This module is the interface that customers use to browse menus, place orders, and pay for their food. It typically includes features like search and filtering, menu customization, and order tracking.
2. Restaurant-facing dashboard: This module is used by restaurant staff to manage incoming orders, update menus, track sales and revenue, and view customer feedback.
3. Order management system: This module tracks each order from the moment it is placed to the moment it is delivered or picked up. It may include features like order confirmation, real-time order updates, and integration with delivery partners.
4. Payment gateway: This module handles the secure transfer of funds from the customer to the restaurant. It typically integrates with popular payment methods like credit cards, PayPal, and Apple Pay.
5. Inventory management: This module helps restaurants keep track of their stock levels and ingredient usage. It may include features like automatic reordering, alerts for low stock levels, and reporting on ingredient usage.
6. Analytics and reporting: This module provide insights into key performance metrics like sales, revenue, and customer satisfaction. It may include features like custom reports, data visualization tools, and predictive analytics.

**Report/Output**

The report/output of a food ordering system can vary depending on the specific features and modules of the system, as well as the needs of the restaurant or business using it. Here are some common types of reports and outputs that a food ordering system may provide:

1. Order summaries: This report provides a summary of all orders received within a specific time period, including the number of orders, total sales, and average order value. It can be useful for tracking overall performance and identifying trends over time.
2. Sales reports: These reports provide detailed information on sales by menu item, category, and time period. They may also include information on discounts, taxes, and fees, and can be used to track revenue and profitability.
3. Inventory reports: These reports provide information on ingredient usage, stock levels, and reordering needs. They may include alerts for low stock levels and suggestions for optimizing inventory management.
4. Customer feedback reports: These reports provide insights into customer satisfaction and feedback on menu items, delivery times, and overall experience. They can be used to identify areas for improvement and adjust the menu or delivery process.
5. Performance dashboards: These visual displays provide real-time information on key metrics like sales, order volume, and customer satisfaction. They can be useful for monitoring performance in real-time and adjusting as needed.
6. Exported data: A food ordering system may allow users to export data in various formats, such as CSV or Excel files. This data can be used for further analysis or integration with other business systems.

**Conclusion**

In conclusion, a food ordering system is an essential tool for restaurants and businesses that offer food delivery and takeout services. A well-designed food ordering system can improve the customer experience, increase order volume, and optimize business processes.

Key modules of a food ordering system include the customer-facing website or mobile app, restaurant-facing dashboard, order management system, payment gateway, inventory management, and analytics and reporting.

The reports and outputs of a food ordering system can provide valuable insights into sales, inventory management, customer feedback, and overall performance. This data can be used to make data-driven decisions, optimize business processes, and improve the customer experience.

Overall, a food ordering system is an important investment for restaurants and businesses looking to streamline their delivery and takeout services and stay competitive in today's digital world.

# How to serve the society

A food ordering system can serve the society in several ways. Here are some ways in which it can make a positive impact:

1. Increased convenience: By offering online ordering and delivery services, a food ordering system can make it more convenient for people to order food from their favourite restaurants without having to leave their homes. This can be especially helpful for individuals with disabilities, those who don't have access to transportation, or those who are too busy to cook.
2. Reduced food waste: By using inventory management features, a food ordering system can help restaurants reduce food waste by keeping track of ingredient usage and suggesting optimal order quantities. This can also help restaurants save money on food costs and contribute to a more sustainable food system.
3. Increased employment: As more people turn to online ordering and delivery, the demand for food delivery drivers and other related jobs may increase. This can provide employment opportunities for individuals in the community.
4. Improved customer experience: By offering features such as real-time order tracking, delivery notifications, and customer feedback, a food ordering system can improve the overall customer experience and increase customer satisfaction.
5. Increased safety: During times of public health concerns, a food ordering system can help reduce the spread of illnesses by minimizing person-to-person contact and providing contactless delivery options.

Overall, a food ordering system can serve the society by increasing convenience, reducing waste, providing employment opportunities, improving the customer experience, and promoting safety.

# Gantt Chart in terms Of week

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| – | **WEEK**  **1** | **WEEK 2** | **WEEK 3** | **WEEK 4** | **WEEK 5** | **WEEK 6** | **WEEK 7** | **WEEK 8** | **WEEK 9** | **WEEK 10** | **WEEK 11** | **WEEK 12** |
| Requirement analysis and feasibility check |  |  |  |  |  |  |  |  |  |  |  |  |
| Designing |  |  |  |  |  |  |  |  |  |  |  |  |
| Coding |  |  |  |  |  |  |  |  |  |  |  |  |
| Testing and maintenance |  |  |  |  |  |  |  |  |  |  |  |  |