Project Name: Online fast-food delivery system
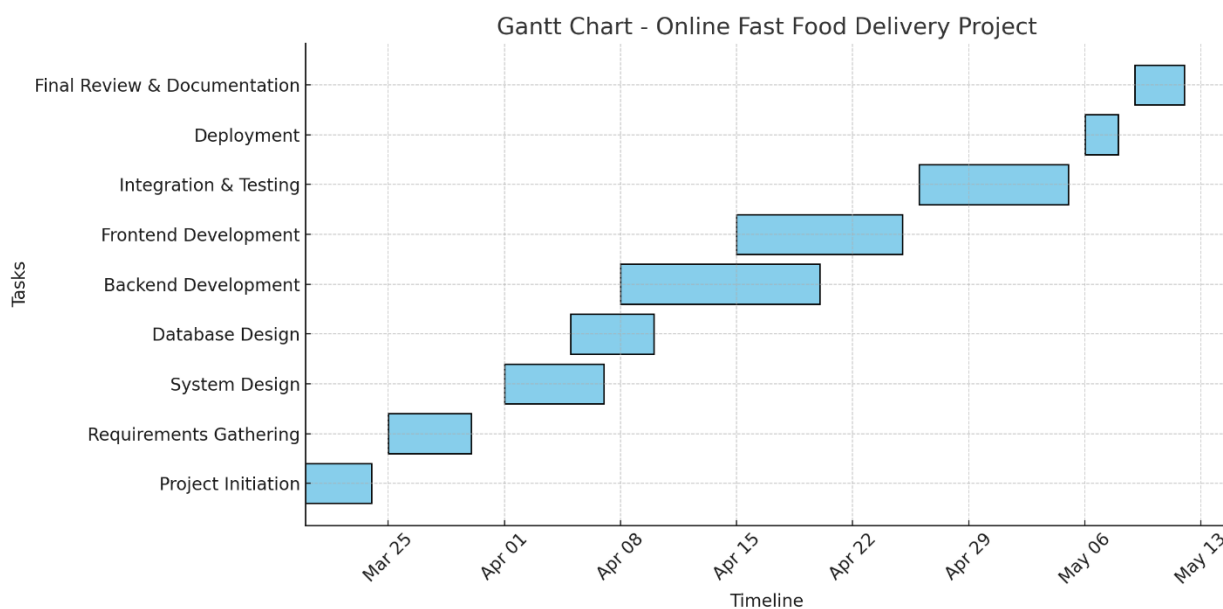
Problem: Tradition Phone order is sometimes inefficient, prone to errors due to user mispronounced product name, maybe the receptionist make mistakeس in the order or error can caused due to unclear call sound.

Objective: Develop a web-based platform for ordering food online, enabling customers to browse menus, place orders, and make secure payments while allowing restaurants to manage orders efficiently.

Scope: Includes user authentication, restaurant management, online ordering, secure payment integration, and order tracking.

**Deliverables:**

- **Week 2:** Project initialization and requirements gathering.

- **Week 4:** system and database design.

- **Week 7:** backend development.

- **Week 9:** frontend development.

- **Week 11:** Integration and testing.

- Week 12: Deployment and final review.



Gantt Chart - Online Fast Food Delivery Project

| Risk | Impact | Mitigation Strategy |
|---|---|---|
| **Delay in development** | High | Include buffer time in the timeline, conduct weekly progress reviews, and prioritize critical tasks. |
| **Team member unavailability** | Medium | Cross-train team members, allocate backup resources, and maintain detailed documentation. |
| **Hardware or software issues** | High | Perform early testing, use widely supported technologies, and ensure software compatibility. |
| **Scope creep (feature expansion)** | Medium | Enforce strict scope control, document all requirements, and review change requests carefully. |
| **Security vulnerabilities** | High | Implement secure coding practices, conduct penetration testing, and use encrypted payment gateways. |
| **User adoption issues** | Medium | Provide a user-friendly UI, offer tutorials, and collect feedback for improvements. |

| Name | Role | responsibilities |
|---|---|---|
| Ahmed Emad-Eldin | Project manager | Planning, coordination among team members, and monitoring progress, assist in fixing the bugs found in the project |
| Mohamed Samer | Frontend Developer | UI design, client-side logic development, and enhancing the user experience, assist in fixing the bugs found in the project. |
| Mohamed Hamed | Backend Developer | API development and database design and management, assist in fixing the bugs found in the project. |
| Mohamed Shafia | QA Tester | Comprehensive testing, bug reporting, ensuring product quality, assist in fixing the bugs found in the project. |

**KPIs (Key Performance Indicators)**

To measure the success and efficiency of the Online Fast-Food Delivery System, we will track the following KPIs:

- **System Uptime** – Target: 99.5% (Ensures platform reliability for customers and restaurant owners).

- **Response Time** – Target: < 2 seconds (Fast loading for better user experience).

- **Order Processing Time** – Target: < 30 seconds from order confirmation to restaurant notification.

- **User Adoption Rate** – Target: 80% of registered users place an order within the first month.

- **Bug Rate** – Target: < 5 bugs per 1000 lines of code (Ensures high-quality and stable performance).

- **Feature Completion Rate** – Target: 100% of core features delivered by the project deadline.

- **Payment Success Rate** – Target: 99% of transactions successfully processed without errors.

- **Customer Satisfaction** – Target: 90% positive feedback from users.