# Project Plan: Full-Stack Food Delivery Website

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**Project Overview**

**Objective:**

Develop a full-stack food delivery website that connects users with local restaurants, enabling easy browsing, ordering, and secure payment processing.

**Technologies:**

React.js, Node.js, Express, MongoDB, Stripe

**Project Phases**

1. **Planning**

Duration: 1 Week

**Tasks:**

* Design wireframes and mock-ups for the user interface.
* Define database schema and relationships.
* Plan API endpoints and architecture.

**2. Design**

**Duration: 2 Weeks**

**Tasks:**

* Design wireframes and mock-ups for the user interface.
* Define database schema and relationships.
* Plan API endpoints and architecture.

**Deliverables:**

* UI/UX wireframes.
* Database schema.
* API documentation.

**3. Development**

**Duration: 2 Weeks**

**Tasks:**

**Front-End Development:**

* Set up React.js environment.
* Develop user registration and login pages.
* Implement restaurant browsing and menu viewing features.
* Create cart and checkout pages.

**Back-End Development:**

* Set up Node.js and Express environment.
* Implement user authentication with JWT.
* Develop endpoints for restaurant, menu, and order management.
* Integrate Stripe for payment processing.

**Database:**

* Set up MongoDB.
* Implement data models for users, restaurants, menus, and orders.

**4. Testing**

**Duration: 2 Weeks**

**Tasks:**

* Perform end-to-end testing of user flows.
* Fix bugs and optimize performance.

**Deliverables:**

* Test cases and results.
* Bug reports and resolutions.

**5. Deployment**

**Duration: 1 Week**

**Tasks:**

* Configure domain and SSL certificates.

**Deliverables:**

* Live application URL
* Deployment documentation.

**6. Post-Launch**

**Duration: Ongoing**

**Tasks:**

* Monitor application performance and user feedback.
* Implement improvements and new features.
* Provide customer support and maintenance.