**Overview**

This document provides detailed technical documentation for a comprehensive e-commerce website designed for selling homemade food. The project includes advanced features such as user authentication, notifications, cart and wishlist functionalities, order placement, delivery tracking, and payment systems. The platform is developed using PHP (Laravel framework), MySQL, and is fully responsive.

**Features**

**1. Authentication System**

* **User Registration**: Allows users to create an account with fields for name, email, password, and phone number.
* **User Login**: Provides secure access for registered users using email and password.
* **Password Recovery**: Implements a password reset mechanism through email.
* **Admin Authentication**: Separate login system for administrators with higher privileges.

**2. Notifications System**

* Real-time notifications for users:
  + **Order Confirmation**
  + **Order Status Updates**
  + **Delivery Tracking Updates**
  + **Payment Confirmation**

**3. Favorites System**

* Users can add items to their wishlist for future purchase.
* Wishlist items are saved in the database and accessible from the user dashboard.

**4. Cart Management System**

* **Add to Cart**: Users can add multiple items to the cart.
* **Edit Cart**: Users can update item quantities or remove items.
* **Cart Summary**: Displays a breakdown of items, prices, and total cost.

**5. Order Placement & Payment System**

* **Order Confirmation**: Users can place orders after reviewing their cart.
* **Payment Integration**:
  + Supports multiple payment methods such as credit cards, debit cards, and digital wallets.
  + Payment statuses are updated in real-time.

**6. Delivery Tracking System**

* Users can track their order status:
  + **Order Placed**
  + **Order Processed**
  + **Out for Delivery**
  + **Delivered**
* Tracking information is visible on the user dashboard.

**7. Contact Us**

* **Form Submission**: Users can contact the support team using a form.
* **Backend Management**: Submitted queries are stored in the database and viewable by the admin.

**8. Responsive Design**

* The website is optimized for all devices, including desktops, tablets, and mobile phones.

**9. User Dashboard**

* Users can:
  + View and edit their profile information.
  + View their order history and statuses.
  + Manage their wishlist and cart.

**10. Admin Dashboard**

* Admins can:
  + Manage users (view, edit, and delete accounts).
  + Manage products (add, edit, delete items).
  + View and process orders.
  + Monitor payment statuses.
  + Respond to user queries.

**11. Blog System**

* Features a blog section with articles on cooking tips, recipes, and more.
* Blogs can be managed by admins from the dashboard.

**12. Delivery and Payment Tracking**

* Users and admins can monitor delivery progress.
* Payment statuses are updated and displayed to both users and admins.

**Technologies Used**

**1. Frontend**

* **HTML, CSS, JavaScript**
* **Bootstrap**: For responsive and mobile-first design.
* **Figma**: For UI/UX design and prototyping.

**2. Backend**

* **PHP (Laravel Framework)**: Handles business logic and data processing.
* **MySQL**: Relational database for storing user data, orders, products, etc.

**3. API Integration**

* **Payment Gateways**: For processing transactions.
* **Email Services**: For notifications and password recovery.

**4. Other Tools**

* **Git**: For source code management and version control.
* **Trello**: For project management and task tracking.
* **Postman**: For API testing and development.

**Future Plans**

1. **Expand to Include Skilled Craftsmen and Professionals**
   * Plan to add a section for craftsmen and skilled individuals to showcase their work and offer services on the platform.
2. **Transform into a Multi-Vendor Marketplace**
   * Expand the website to support multiple vendors, allowing users to sell their homemade food, crafts, and other products directly through the platform.
3. **Develop a Mobile Application**
   * Build a dedicated mobile application for both iOS and Android to enhance accessibility and provide a seamless user experience.
4. **Make the Website Fully Dynamic**
   * Convert the entire website to be fully dynamic, enabling real-time updates, better scalability, and a smoother user experience.
5. **Integrate AJAX for a More Interactive Experience**
   * Use AJAX for real-time data fetching and updating, reducing page reloads and improving performance and responsiveness.