**FOOD DELIVERY WEBSITE**

**Team Members**

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**SOFTWARE ENGINEERING PHASE**

**Features and Outline of Our Website**

* **User Authentication and Authorization:**

Implement a secure user authentication system for both customers and staff members.

Define different user roles (customer, staff, admin) with varying levels of access.

* **Online Menu:**

Display a well-organized and visually appealing online menu with categories and item details. It includes high-quality images and descriptions for each menu item. Implement a search and filter functionality to help users easily find specific dishes.

* **Ordering System:**

Allow customers to add items to their cart and place orders online and integrate a secure online payment system for order transactions also provide order confirmation and estimated delivery/pickup times.

* **Responsive Design:**

Ensure that the website is responsive and works seamlessly on various devices like desktops, tablets, smart phones.

* **Performance Optimization:**

Optimize the website for fast loading times to enhance the user experience. Compress images, utilize caching mechanisms, and minimize unnecessary code.

* **Scalability:**

Design the website architecture to handle potential growth in traffic and content.

* **Security:**

Implement security measures to protect user data, including encryption for sensitive information.

Regularly update and patch software to address security vulnerabilities.

* **Analytics:**

Integrate analytics tools to track user behavior, monitor website performance, and gather insights for future improvements.

* **Maintenance Plan:**

Develop a plan for ongoing maintenance, including regular updates, backups, and support.

**Consideration for Technical Constraints:**

* Ensure compatibility with common web browsers.
* Choose a technology stack that aligns with your development team's expertise.
* Assess and address potential bandwidth and hosting requirements, especially if dealing with a large number of users.

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| **User Authentication and Authorization:**  As a customer, I want to create an account or log in, so I can access personalized features and view my order history.  As a staff member, I want secure access to the staff portal, so I can manage reservations and update menu items. | **Online Menu:**  As a customer, I want to view the entire menu with categories, images, and descriptions, so I can easily decide what to order.  As a customer, I want to filter the menu by category or search for specific items, so I can quickly find my preferred dishes | **Ordering System:**  As a customer, I want to add items to my cart, specify quantity, and place an order, so I can enjoy a convenient online ordering experience.  As a customer, I want to receive a confirmation email with order details and estimated delivery/pickup time, so I can track my order. |
| **Performance Optimization:**  As a user, I want the website to load quickly, so I can access information and place orders without delays | **Responsive Design:**  As a user, I want the website to be accessible and user-friendly on both desktop and mobile devices, so I can browse and order seamlessly. | **Maintenance Plan:**  As a business owner, I want to schedule regular maintenance tasks, including updates and backups, to ensure the website's stability and security. |
| **Scalability:**  As a business owner, I want the website to handle increased traffic during peak hours, so customers don't experience slowdowns | **Security:**  As a customer, I want to know that my personal and payment information is secure, so I can trust the online ordering system. | **Analytics:**  As a business owner, I want to track user behavior and website performance through analytics tools, so I can make informed decisions for improvements |