GEOTAGGED PHOTO

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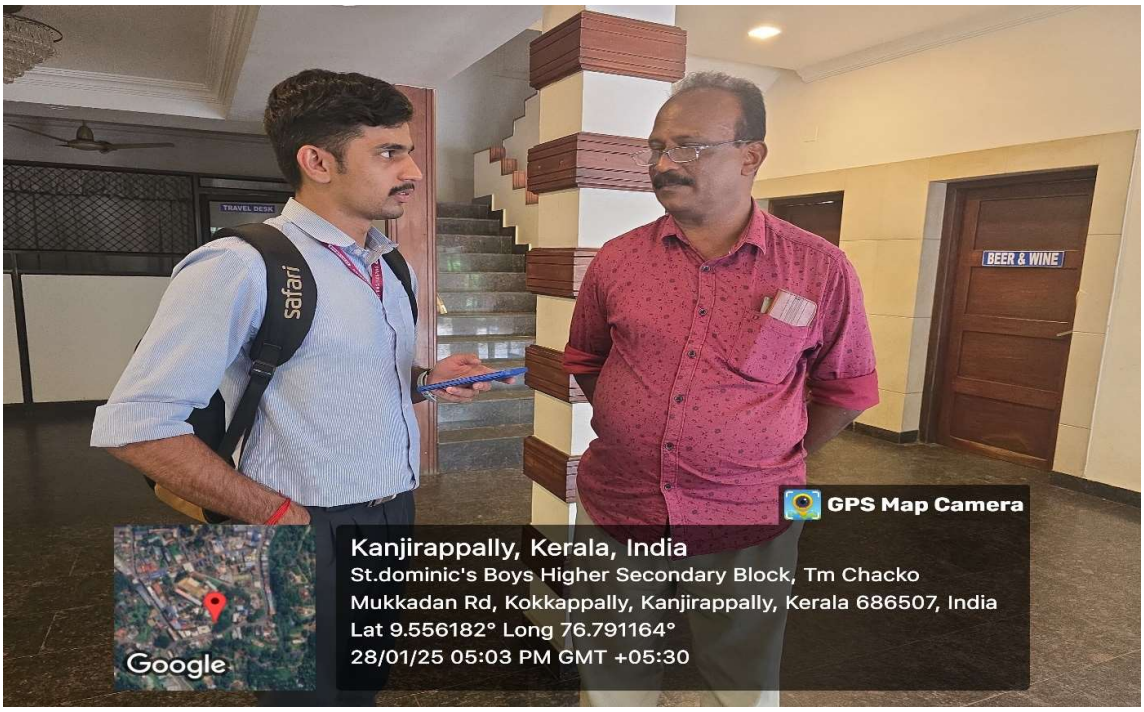

QUESTIONAIRE

1. What is the primary goal of the Restaurant Management System?

The primary goal of the system is to streamline restaurant operations by providing functionalities such as menu management, table reservations, order processing, payment management, and user-friendly interfaces for both customers and staff.

2. What are the core modules in the system?

The system consists of the following core modules:

- Menu Management: Enables dynamic updates to menu items, including prices, availability, and categorization.
- Table Management: Tracks table availability, capacity, and status (e.g., available, reserved, occupied).
- Order Processing: Manages order creation, special instructions, and payment statuses.
- Reservation System: Facilitates table reservations for customers, including date, time, and guest count.
- User Management: Includes staff and customer profiles, roles, and login functionalities.

3. How does the system handle table reservations?

Customers can book tables by selecting available options based on their preferences (e.g., indoor, outdoor, balcony). The system validates reservations by checking table availability and capacity. Confirmations are sent automatically, and reserved tables are marked in the system to prevent double bookings.

4. How does the system process orders?

Orders are created by linking menu items to customers' choices. Each order includes details such as quantity, special instructions, and associated table numbers. The system calculates the total amount and updates the payment status upon completion.

5. What types of users are supported in the system?

The system supports the following user roles:

- Customer: Can view menus, place orders, and reserve tables.
- Staff: Manages orders, prepares food, and updates table status.
- Admin: Oversees all operations, manages staff, updates menus, and monitors system activities.

6. What technologies are used to develop the system?

The Restaurant Management System is built using the MERN stack, consisting of:

- MongoDB: For database management.
- Express.js: For backend logic.
- React.js: For frontend development.
- Node.js: For server-side functionality.

7. How does the system ensure data accuracy and reliability?

Data validation is implemented at both the frontend and backend to ensure inputs meet requirements. The database uses schemas with constraints to enforce field integrity, and all transactions are logged for audit purposes.

8. Are there any additional features included in the system?

Yes, the system includes:

- Special Tags for Menu Items: Highlighting gluten-free, vegan, or chef specials.
- Dynamic Table Management: Tracking real-time availability and status updates.
- Spicy Level Indicators: Providing customers with details about dish heat levels.
- Notification System: Sending reminders for upcoming reservations or order updates.

9. How does the system handle errors or exceptions?

Error handling mechanisms include:

- Frontend Validation: Ensures all required fields are completed before submission.
- Backend Error Logs: Captures API failures and exceptions for debugging.
- User-Friendly Messages: Displays clear error messages to guide users in correcting input issues.

10. How does the system handle payments?

The system supports multiple payment modes, such as cash, card, and online payments. Payment statuses are tracked and updated in real time, ensuring accuracy and transparency.