

## **PROJECT SYNOPSIS**

**Team:** *FreshTechExplorers*

**Project Name:** *TravelMate-Your Ultimate Travel Companion*

### **Project Description:**

**Overview:** TravelMate is a comprehensive online platform that aims to enhance the travel experience of users by providing them with a one-stop solution for all their travel needs. This platform seamlessly integrates hotel booking, cab services, and a vibrant tourism blog community, all in one user-friendly interface. Whether you're a seasoned traveler or just planning your first adventure, TravelMate is here to make your journey smoother and more enjoyable.

### **Features:**

1. **City Search and Information:** Upon opening the site, users are greeted with a user-friendly search interface. They can select their desired city from a dropdown menu and press "Enter" to access city-specific information. The platform dynamically retrieves and displays the following information based on the selected city:
  - **Associated Hotels:** A list of hotels available in the chosen city, complete with details such as pricing, amenities, and user ratings.
  - **Cab Services:** Information about cab services available in the city, including fare estimates using the Google Maps API for travel between two locations.
  - **Tourism Blogs:** User-generated travel blogs related to the selected city. Registered users can share their travel experiences and insights, helping fellow travelers make informed decisions.
2. **Hotel Booking:** Users interested in booking a hotel can select their preferred option from the list, view detailed information, and click the "Book" button. This action triggers an automated email notification to the chosen hotel, informing them of the user's interest and contact details. Simultaneously, the user receives an acknowledgment email, ensuring a seamless booking experience.
3. **Cab Booking:** When users require transportation within the city, they can use the integrated Cab Booking feature. The platform utilizes the Google Maps API to calculate fare estimates for trips between specified source and destination points, ensuring transparency and convenience for users.
4. **Tourism Blogs:** Registered users have the privilege to share their travel experiences by creating informative and engaging blogs. These blogs offer valuable insights, tips, and personal anecdotes about various destinations. The community can interact through comments and ratings, fostering a sense of connection among travelers.

5. User Registration: To access advanced features such as booking hotels, cabs, or posting blogs, users are required to register on the platform. Registration ensures a secure and personalized experience, allowing users to track their bookings and contributions.

**Benefits:**

- TravelMate simplifies travel planning and booking by providing a single platform for hotel reservations, cab bookings, and access to travel insights.
- Users can make informed decisions based on hotel details, fare estimates, and authentic travel blogs.
- The platform fosters a community of travelers who share their experiences and knowledge to enrich the travel journeys of others.
- Seamless communication between users and hotels is facilitated through automated email notifications.

**Conclusion:**

TravelMate is more than just a travel website; it's a travel companion that empowers users to explore India with confidence. With its city-centric approach, integrated services, and a vibrant community of fellow travelers, TravelMate is the ultimate destination for planning and enhancing your travel experiences.

**Technology Stack:**

1. Angular
2. Web API
3. .NET Core
4. .NET Framework

Languages: C#, HTML, CSS, JS, MySQL

**Individual Roles Assigned for the Project**

1. Madiha Simran: UI/UX Development, Frontend
2. Thrupthi G: UI/UX Development, frontend
3. Siddhi Rajoria: Backend Development, DB Manager
4. Prabhat Kumar Padhiary: Backend Development, DB Manager
5. Smruti Ranjan Polai: Backend Development, Frontend