**Project Charter:  
Wiki URL:** <https://github.com/srikarmiriyala/GDPProject-02/wiki/Project-Charter-(Iteration-1)>

**Summary of the Problem:** The problem involves the need for a comprehensive Travel Planning and Itinerary Management Application, known as TravelBuddy, to address the inefficiencies and challenges faced by travelers in planning and organizing trips. Currently, the process of trip planning is disjointed and inefficient, requiring users to gather information from multiple sources and tools. There's a lack of a centralized platform, leading to manual organization of trip details and cumbersome user experience.

**Motivation for Solving the Problem:** Implementing TravelBuddy will revolutionize the way travelers plan and manage their trips, significantly enhancing the efficiency and convenience of the travel planning process. By providing a centralized platform for trip planning, booking accommodations, and discovering attractions, TravelBuddy aims to streamline the entire travel experience. This system will address current operational challenges, improve user satisfaction, and elevate the overall quality of travel planning.

**Required Functionality:** TravelBuddy should include the following features:

* **User Registration and Profile Management:** Allow users to create accounts, manage their profiles, and customize preferences.
* **Travel Organization & Planning:** Easy-to-use tools for choosing locations, times, and activities. For effective travel planning, interactive maps and tools for creating itineraries are available.
* **Explore Your Destination:** Detailed travel guides that provide details on nearby landmarks, attractions, and services.
* **Booking Interface:** The app's booking interface enables smooth real-time booking for trips through integration with travel APIs.
* **Functionality on the backend:** Account management and user authentication for safe access. User preferences, reservations, and itinerary data are stored and retrieved. Real-time booking and data retrieval through integration with external travel APIs.
* **Database:** Making use of a MongoDB database to store and retrieve data efficiently. By putting these features into place, TravelBuddy hopes to solve the problems and inefficiencies that exist in the trip planning process and give users a smooth and pleasurable travel planning experience.

Through the integration of these features, TravelBuddy seeks to deliver users a smooth and pleasurable travel planning journey, effectively tackling existing obstacles and inefficiencies within the trip planning process.