**Functional Requirements for Travel Buddy (Final) Wiki URL:**<https://github.com/srikarmiriyala/GDPProject-02/wiki/Functional-Requirements-List-(Iteration-2)>

**Functional Requirements for Travel Buddy (Final):**

**The system SHALL:**

* Allow users to register and create profiles.
* Provide tools for planning and selecting destinations, dates, and flight options.
* Offer interactive maps and flight itinerary creation features.
* Present detailed flight guides for exploring destinations and airlines.
* Facilitate real-time booking for flights through integration with airline APIs and confirm payment.
* Display flight details and schedules in a calendar view to aid in planning.
* Store and retrieve user data, including preferences, flight reservations, and itineraries, securely.
* Ensure a clean and intuitive user interface for seamless navigation and flight management.
* Offer search and filter functionality for flight options.
* Offer a built-in checklist feature to help users pack and prepare for their trips, including essential items and documents.

**The system SHOULD:**

* Synchronize user data across platforms in real-time for consistency.
* Track the progress of flight booking tasks throughout their lifecycle.

**The system MAY:**

* Enable collaboration among users by allowing sharing updates and comments on flight plans.
* Set deadlines for flight booking tasks based on user input.
* Send reminders to users about upcoming flight deadlines.
* Integrate weather forecast data for selected destinations to help users plan their trips accordingly.
* Provide tools for users to set and track their travel budgets, including expenses for flights, accommodations, and activities.