# FIDELITY NATIONAL FINANCIAL,

**INDIA**

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**DEPARTMENT OF ADM**

# Software Requirements Specification

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**Type of Project (Application, Model, Design, Prototype):** Web Application

**Project Title:** Travel Mate Application

**Broad Area:** Full Stack.

## 1.Introduction:

* Travel Mate is your one-stop solution for a stress-free travel experience. Our user-friendly web application empowers you to manage hotel bookings, secure reliable cab services, and explore all your travel essentials in one convenient location. Travel Mate simplifies planning, streamlines logistics, and facilitates a travel journey.

1.1 Purpose

* The purpose of this SRS document is to outline the functional and non-functional requirements for the Travel Mate web application. This document serves as a guide for the development team and stakeholders, ensuring that the final product meets the expected standards and user needs.

1.2 Scope

* Travel Mate is a web application designed to simplify travel planning and booking. The application will allow users to search for and book hotels, secure cab services, and manage their travel essentials in one place. The platform targets travelers and travel service providers, offering seamless integration and a user-friendly experience.

1.3 Definitions, Acronyms, and Abbreviations

* **SRS**: Software Requirements Specification
* **UI**: User Interface
* **API**: Application Programming Interface
* **DBMS**: Database Management System

## 1.4 Target Audience

Travelers:

* Streamline your travel with an efficient platform for booking hotels and cab services, maximizing your valuable time.

Hotels & Travel Agencies:

* Reach a wider audience by showcasing your services through our comprehensive online platform.

**2. Overall Description:**

2.1 Product Perspective

* Travel Mate will be a standalone web application that interfaces with external hotel and cab service providers via APIs. The system will be accessible via modern web browsers on desktops and mobile devices.

2.2 Product Functions

* **User Registration & Authentication**: Users can register with Google Open Auth or browse anonymously.
* **Hotel Search & Booking**: Users can search for hotels based on location, availability, and ratings, and book directly through the platform.
* **Cab Booking**: Integration of cab services with fixed pricing based on distance from the user’s location.
* **Wishlist**: Users can save hotels to their Wishlist for future reference.
* **Hotel Rating System**: Users can leave ratings and reviews for hotels.
* **Personalized Recommendations**: The system suggests hotels based on the user's location and previous interactions.
* **Travel Mate Pro**: Premium users can access bundled deals combining hotel and cab services.

2.3 User Classes and Characteristics

* Travelers: Users who search for and book hotels and cabs.
* Hotel & Travel Agencies: Businesses that offer their services on the platform.
* System Administrators: Responsible for maintaining the platform, managing user data, and monitoring system performance.

**3. System Features:**

3.1 Hotel Search & Booking

3.1.1 Description

* Users can search for hotels based on various filters such as location, rating, and price. The system displays real-time availability and allows users to book rooms.

3.1.2 Functional Requirements

* The system shall allow users to search for hotels by entering a location.
* The system shall display hotels sorted by distance, rating, or price.
* The system shall provide real-time availability for hotel rooms.
* The system shall allow users to book hotel rooms directly.

3.2 Cab Booking

3.2.1 Description

* Users can book cabs based on their current location or the hotel they have booked.

3.2.2 Functional Requirements

* The system shall allow users to book cabs at fixed prices based on distance.
* The system shall provide recommendations for cab services based on the user's location.

3.3 Hotel Rating System

3.3.1 Description

* Users can rate and review hotels they have stayed in, contributing to the community feedback system.

3.3.2 Functional Requirements

* The system shall allow users to rate hotels on a scale of 1 to 5.
* The system shall allow users to write a text review of their hotel experience.

**4. External Interface Requirements:**

4.1 User Interfaces

* Login/Registration Screen: Users can sign up or log in using Google Open Auth.
* Hotel Search Screen: Users can search for and view hotel listings.
* Booking Screen: Users can complete hotel bookings and view details.

4.2 Hardware Interfaces

* The application is web-based and does not require specific hardware interfaces.

4.3 Software Interfaces

* Integration with external APIs for hotel and cab service providers.
* Database interfaces for storing user data, bookings, and hotel information.

4.4 Communications Interfaces

* HTTPS for secure communication between the client and server.

**5. Non-Functional Requirements:**

5.1 Security Requirements

* User data must be encrypted in transit and at rest.
* The system must implement OAuth for secure user authentication.
* The system should be resistant to common web vulnerabilities.

5.2 Usability Requirements

* The platform should be intuitive and easy to navigate, with a minimal learning curve for new users.

5.3 Reliability Requirements

* The system should have a 99.9% uptime guarantee.
* The system should perform regular backups to prevent data loss.