**Business Requirement Specification (BRS)**

Title: MakeMyTrip Website

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Prepared by: Brunda Mahesh

1. Introduction

* **Purpose**: Make my Trip is a well-known travel booking platform. It allows customers to compare prices, check availability, and make secure online bookings for various travel services.
* **Scope**: This project provides variety of travel related services including flight booking, bus booking, car rental, train booking, hotel reservation, searching holiday packages, etc.
* **Background**: Make my trip aims to provide users with a seamless and convenient online experience for planning and booking their travels. The website will serve as the primary interface for users to search, book, and manage their travel arrangements.

2. Business Objectives

* **Objective 1**: Provides a real time interface for flights service.
* **Objective 2**: Users should be able to book flights.
* **Objective 3:** Users should be able to cancel flights.
* **Objective 4:** Users should be able to view ticket details.

3. Functional Requirements

* **Requirement 1:** **User Login**
* Users should be able to create accounts and log in securely.
* **Requirement 2:** **Search flights**
* Users should be able to search flights based on location, date and other criteria.
* **Requirement 3**: **Display flights availability**
* Users should be able to find flights based on the given criteria.
* **Requirement 4**: **Book flights**
* Users should be able to book flights based on location, date and other criteria.
* **Requirement 5**: **Offers for flights**
* Users should be able to find offers available for flights.
* **Requirement 6**: **Top flight destinations**
* Users should be able to find top flight destinations.
* **Requirement 7**: **Cancel flights**
* Users should be able to cancel flights.
* **Requirement 8**: **View confirmation tickets**
* Users should be able to view flight booking confirmations.
* **Requirement 9**: **Check ticket status**
* Users should be able to check the status of the flight tickets.
* **Requirement 10**: **Refund**
* Users should be able to get refund after cancelling flight tickets.

4. Non-Functional Requirements

* **Requirement 1**: **Security**
* Authentication: - Users should be securely authenticated and authorized to access their respective functionalities.
* Data Encryption: Sensitive information, such as payment details and personal data, should be encrypted during transmission and storage.
* **Requirement 2**: **Performance**
* Response Time: The system should respond to user requests within a specified timeframe, such as under 2 seconds for most operations.
* Scalability: The system should handle many concurrent users and bookings without a significant drop in performance.
* Availability: The system should be available 24/7 with minimal downtime, aiming for 99.9% uptime.

5. Use Cases

* **Use Case 1:** Admin should be able to update flight details.
* **Use Case 2:** Users should be able to login and book flight tickets.

6. Assumptions and Dependencies

* **Dependency 1**: **Payment Gateway**
* Users should be able to do payments smoothly while booking flight tickets.