AIRLINE TICKETING SRS

1. Introduction
The airline ticketing system is an online platform designed to facilitate ticket bookings for air travel. The system will allow users to search, book, and purchase airline tickets. This document outlines the features, functions, and requirements of the system.

2. Scope
The system will be accessible to customers worldwide, and it will provide access to a wide range of airlines, flights, and travel routes. The system will also allow customers to select their preferred seats, purchase additional services such as in-flight meals, and manage their booking details.

3. Requirements
The following are the requirements for the airline ticketing system:
- User Management: The system will have a user management module that allows users to create and manage their accounts. Users will be able to log in, view their booking history, and manage their personal information.
- Flight Search: The system will allow users to search for flights based on departure and arrival locations, travel dates, and the number of passengers.
- Flight Booking: The system will allow users to select flights, book tickets, and make payments securely. The system will also generate a booking confirmation with a unique booking reference number.
- Seat Selection: The system will allow users to select their preferred seats on the plane. Users will be able to view a seating chart and choose their seats based on availability.
- Additional Services: The system will allow users to purchase additional services such as in-flight meals, extra baggage, and travel insurance.
- Booking Management: The system will allow users to manage their bookings, make changes to their flights, and cancel their bookings if required.
- Payment Gateway Integration: The system will integrate with a secure payment gateway to ensure that users can make payments safely and efficiently.
- Admin Dashboard: The system will have an admin dashboard that allows the system administrators to manage the system's users, flights, and bookings.

4. Non-Functional Requirements
- The system will be highly available and accessible at all times.
- The system will be scalable and able to handle a large number of users and bookings.
- The system will be secure and protect user data from unauthorized access.
- The system will be user-friendly and easy to use for both customers and system administrators.

5. Constraints
- The system will be developed using modern web technologies.
- The system will be hosted on a reliable and scalable cloud infrastructure.
- The system will comply with all relevant regulations and standards for online payment processing and data protection.

6. Assumptions and Dependencies
- The system assumes that users have access to a reliable internet connection and a compatible device to access the system.
- The system depends on reliable third-party services for payment processing and other functionalities.

7. Conclusion
The airline ticketing system will provide a comprehensive platform for users to book and manage their air travel. The system will be secure, scalable, and user-friendly, making it an ideal solution for customers worldwide.

By,
Nandini Maharaj
Aditya Sudarsan Anand
Aditya Mandal
Aditya Jha
[Section A - Group 13
Roll no: 21011A0561,62,64,65]