Project Documentation : Fly Away Ticket Booking Portal

1. Introduction :- The Fly Away Ticket Booking Portal is an online platform that allows users to search.book and manage flight tickets conveniently. This project documentation outlines the features, functionalities and technical aspects of the portal, both from the user’s perspective and the admin’s backend.
2. Features :- The Fly Away Ticket Booking Portal consists of two main components, the user-facing website and the admin backend. Below are the features of each component.

User-Facing Websites:-

* **Homepage** : users are presented with a search from to enter their travel details, including the date of travel, source, destination and the number of persons.
* **Flight Search :** Based on the entered travel details, the portal retrieves and displays available flights alongwith their ticket prices.
* **Flight Selection :** Users can select a flight of their choice from the search results.
* ***Registration*** : Users are directed to a registration page which where they are required to provide their personnel details.
* **Flight Details and Payment** : After registration , Users are shown the flight details of their selected flight and proceed to the payment page.
* **Dummy Payment Gateway** : A dummy payment gateway is integrated for simulating the payment process.
* **Confirmation Page** : Once the payment is completed, users are shown a confirmation page with the details of their booking.

**Admin Backend** :

* Admin Login : The admin is provided with a secure login page to access the backend system.
* Password Change : The admin can change their password after successful login
* Master List Management : The admin can manage the master lists of places for the secure and destination as well as airlines.
* Flight Management: The admin can add, edit and delete flights. Each flight includes details such as source, destination, airline and ticket price.

1. Project Timeline : To ensure the timely delivery of a high end quality product, the project will be divided into several stages with corresponding timelines.

* Requirements Gathering and Analysis : 1 week
* User facing website development : 4 Weeks
* Admin backend development : 3 weeks
* Integration and Testing 2 Weeks
* Development and Launch : 1 Week

1. Technologies and Tools : The Fly Away Ticket Booking Portal will be developed using the following technolies and tools :

* Front end : HTML
* Back End :
* Framework : Spring boot (for preferred web framework)
* Database :MySQL
* Payment Gateway : Dummy payment gateway (for testing purpose)
* Version Control : Git.
* Project Management :Agile Methodology
* Development Environment : IDE (Integrated Development Environment ) of choice

1. Conclusion : The Fly Away Ticket Booking Portal aims to provide users with a seamless flight booking experience while offering administrators a convenient back end for managing flights places and airlines.By following the outlines features adhering to the project timeline, technologies, team structure and conclusion, the development team can ensure the successful delivery of a high end quality product as early as possible.

Through out the development process, close collaboration between the development team, stakeholders and regular feedback from users will be crucial for ensuring that the portal meets the expectations and requirements of all parties involved. Regular testing and quality assurance measures will be implemented to identify and address any issues or bugs that may arise during the development process.

Upon completion of the development phase, the portal will undergo thorough testing to ensure its stability, security and usability.

The above project documentation provides a high level overview of the Fly Away Ticket Booking Portal. Further detailed planning requirements gathering and discussions with the development team are recommended to finalize the specific implementation details and ensure the successful execution of the project.

**FLOW CHART OF ONLINE FLY AWAY TICKET BOOKING PORTAL**

**Enter the number of adults and kids**

**Enter the journey date and return journey date**

**Enter flight from and flight to locations**

**Lists of flights displayed**

**Select a flight ?**

**No**

**Yes**

**Enter the details of the passengers**

**No**

**Details entered?**

**Yes**

**Edit the name, age, sex of Passengers**

**Wait to edit anything?**

**Yes**

**No**

**Print the Ticket**

**Fig: - Flow chart of the Online Air Fly Ticket Booking Portal**

**ER DIAGRAM OF ONLINE AIR FLY TICKET BOOKING**

**Age**

**User ID**

**Book / Cancel**

**User Name**

**D.O.B**

**1**

**Gender**

**USER**

1 1

**Flight No.**

**PNR No.**

**Mobile No.**

**Pssngr Name**

**Contact\_No.**

**Ticket**

**Checks for**

1

**Bookt\_Time**

**Arrival City**

**D/City**

**Airline**

M

**Receives**

**Dep Time**

**Arrival Time**

**Flight**

**Transaction ID**

**CVV No.**

**Amount**

**Payment**

**1**

**Flight ID**

Fig : **ER DIAGRAM OF ONLINE AIR FLY TICKET BOOKING**