

# **Airline Management System**

## **ABSTRACT**

Airline Reservation System aims to automate the flight operations and ticketing / seat booking and confirmation system of an Airline company. The software is providing options for viewing different flights available within a different timing for a specific day. That provide customers within facility to able to book ticket smoothly. The customers can modify and able to cancel the ticket for any reason. That prepare within a role and policies. The software should provide option for checking availability of the tickets. That is important for the customers to get message if the ticket unavailable. That will be displayed into customers. The customers should be noted when the change has been made or any further changes

## **INTRODUCTION**

Airline Reservation System is software which is helpful for ticketing manager as well as the customers. In the later system all the activities were done manually. It was very time consuming and costly. Our Airline Reservation System deals with the various activities related to the Flights.

There are mainly 3 modules in this software

1.search flights

2. flight reservation

3.Add/Delete flights

## 1. Flight Search (screenshot of the process)

The screenshot shows a web browser window with the URL `localhost:3001/add-flight`. The page title is "Airline Ticket Reservation System". The navigation bar includes links for "Home", "Add Flight", "All Flights", "Logout", and "Admin". The main content area features a form titled "Add New Flight Schedule" with the following fields:

- Source: Chennai
- Destination: Chennai
- Flying Date: dd/mm/yyyy
- Takeoff Time: --:--:--
- Landing Time: --:--:--
- Fare: 0
- Available Seats: 0

At the bottom of the form are "Submit" and "Reset" buttons.

## 2. Available flights (screenshot of the process)

The screenshot shows a web browser window with the URL `localhost:3001`. The page title is "Airline Ticket Reservation System". The navigation bar includes links for "Home", "Logout", and "Welcome user". The main content area features a search form titled "Search for your flight" with the following fields:

- Source: Pune
- Destination: Bangalore
- Travel Date: 24/09/2021

Below the search form is a "Scheduled Flight" section. It displays the following flight details:

Flight 1102	
Source	Pune
Destination	Bangalore
Travel Date	2021-09-24
Takeoff Time	01:00:00
Landing Time	02:00:00
Duration	1hr 0min
Fare	250
Available Seats	52

At the bottom of the flight details is a "Book" button.

### 3. Booking the Ticket (screenshot of the process)

The screenshot shows a web browser window with the URL `localhost:3001/booking`. The page title is "Airline Ticket Reservation System". The main heading is "Book My Flight". The form contains the following fields:

- Flight Number: 1102
- Flying from: Pune
- Flying to: Bangalore
- Departing: 2021-09-24
- Number of Passenger: 0

A blue "Book Ticket" button is at the bottom of the form.

### 4. Ancillary booking (screenshot of the process)

The screenshot shows a web browser window with the URL `localhost:3001/allFlights`. The page title is "Airline Ticket Reservation System". The main heading is "All Flights". The page displays three flight cards:

Flight 1001	
Source	Chennai
Destination	Bangalore
Travel Date	2021-09-24
Takeoff Time	12:31:00
Landing Time	13:32:00
Duration	1hr 1min
Fare	25
Available Seats	56
<a href="#">Delete</a> <a href="#">Edit</a>	

Flight 1102	
Source	Pune
Destination	Bangalore
Travel Date	2021-09-24
Takeoff Time	01:00:00
Landing Time	02:00:00
Duration	1hr 0min
Fare	250
Available Seats	48
<a href="#">Delete</a> <a href="#">Edit</a>	

Flight 1103	
Source	Pune
Destination	Goa
Travel Date	2021-09-25
Takeoff Time	03:57:00
Landing Time	05:00:00
Duration	2hr 3min
Fare	59
Available Seats	60
<a href="#">Delete</a> <a href="#">Edit</a>	

## 5. Payment Gateway (screenshot of the process)

Airline Ticket Reservation System

Home Logout Welcome user

### Confirm Payment

CREDIT/DEBIT CARD

CARD NUMBER

CARD EXPIRY

CARD CVV

CARD HOLDER NAME

Make Payment

## 6. Status of Booked Flight and copy of Receipt (screenshot of the process)

ATRS Boarding : Pune

Pune Bangalore

Passenger Name Passenger Age Passenger Gender

Priya 23 Female

Flight No. Ticket No.

1052 5102

Amount Paid

₹2000

Departure Time Travel Date Arrival Time

19:29:00 2022-09-25 16:32:00

Print The Ticket

## 7. Administrator Console (screenshot of the process)

