PROJECT REPORT ON

Airline Management System

Carried Out at

CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

ELECTRONIC CITY, BANGALORE

UNDER THE SUPERVISION OF

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PG DIPLOMA IN ADVANCED COMPUTING

C-DAC, BANGALORE

CANDITAES DECLARATION

We hereby certify that the work being presented in the report entitled AIRLINE TICKET MANAGEMENT SYSTEM, in partial fulfillment of the requirements for the award of PG Diploma Certificate and submitted in the department of PG-DAC of the C-DAC Bangalore, is an authentic record of our work carried out during the period, 23 August 2022 to 26 September 2022 under the supervision of Mr. Sumit Kumar Saurav, C-DAC Bangalore. The matter presented in the report has not been submitted by us for the award of any degree of this or any other Institute/University.

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ACKNOWLEDGMENT

We take this opportunity to express our gratitude to all those people who have been directly and indirectly with us during the completion of this project.

We pay thanks to Mr. Sumit kumar Saurav who has given guidance and enlighten to us during this major project. His versatile knowledge about various technologies has eased us in the critical times during the span of this Final Project.

We acknowledge here out debt to those who contributed significantly to one or more steps. We take full responsibility for any remaining sins of omission and commission.

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CERTIFICATE

This is to certify that the work titled AIRLINE MANAGEMENT SYSTEM is carried out by (220351920107) TAYADE UNMESH RAJU, (220351920104) SWAPNIL DASS, (220351920033) GOSAVI PRIYA SUHAS, (220351920022) BANGAR SURENDRA RAVINDRA, (220351920038) INGALE GANESH UTTAM the Bonafede students of Diploma in Advanced Computing, Electronic City , Bangalore from 23/08/2022 to 26/09/2022. The Course End Project work is carried out under my direct supervision and % completed.

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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

TABLE OF CONTENT

1. 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

In the Software only user with the legal username and password can sign in. A ticketing manager can book, Add or Delete any flight for any customer. Flights are booked through Flight Reservation Module in which all the details regarding customer and his flight are entered. A receipt no. is provided to every customer which is unique for each customer.

2. OBJECTIVE

Our software will perform and fulfill all the tasks that any customer would desire. Our software system mainly deals with customers Searching and booking flight in the airlines. The various features added to the project provide all the functions to make the task easy to perform.

3. SYSTEM ANALYSIS

EXISTING SYSTEM:

System Analysis is a detailed study of the various operations performed by a system and their relationships within and outside of the system. Here the key question is what all problems exist in the present system? What must be done to solve the problem?

Analysis begins when a user or manager begins a study of the program using existing system.

During analysis, data collected on the various files, decision points and transactions handled by the present system. The commonly used tools in the system are Data Flow Diagram, interviews, etc. Training, experience and common sense are required for collection of relevant information needed to develop the system. The success of the system depends largely on how clearly the problem is defined, thoroughly investigated and properly carried out through the choice of solution. A good analysis model should provide not only the mechanisms of problem understanding but also the frame work of the solution. Thus, it should be studied thoroughly by collecting data about the system.

Then the proposed system should be analyzed thoroughly in accordance with the needs

System analysis can be categorized into four parts.

- System planning and initial investigation
- Information Gathering
- Applying analysis tools for structured analysis
- Feasibility study
- Cost / Benefit Analysis

In the current system we need to keep a number of records related to the customer and want to enter the details of the customer manually. In this system only the ticketing manager views the details of the customer and they can edit the date of flight of the customer or can delete the flight. This is time consuming and has much cost.

PROPOSED SYSTEM:

In our proposed system we have the provision for adding the details of the customers by ticketing manager with the help of predefined format and drop-down lists. So the overhead of the ticketing manager is become less. Another advantage of the system is that it is very easy to edit the details of the customers and delete a ticket entry when it found unnecessary.

Our proposed system has several advantages

- User friendly interface
- Fast access to database

Less error

- More Storage Capacity
- Look and Feel Environment
- Quick transaction

All the manual difficulties in managing the customer details in a airline reservation database have been rectified by implementing computerization.

4. General Information

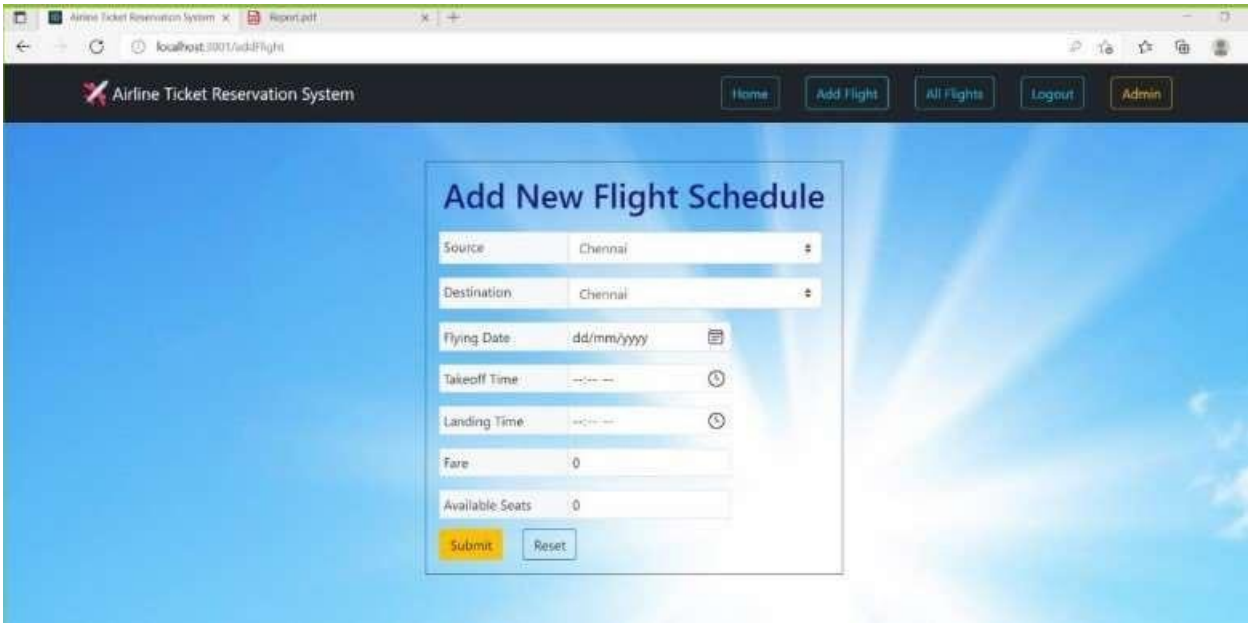
4.A)

1. Overall productivity achieved
2. Easy to book tickets.
3. Saves time and money.
4. Provides every information about flight.
5. Mobile Availability.

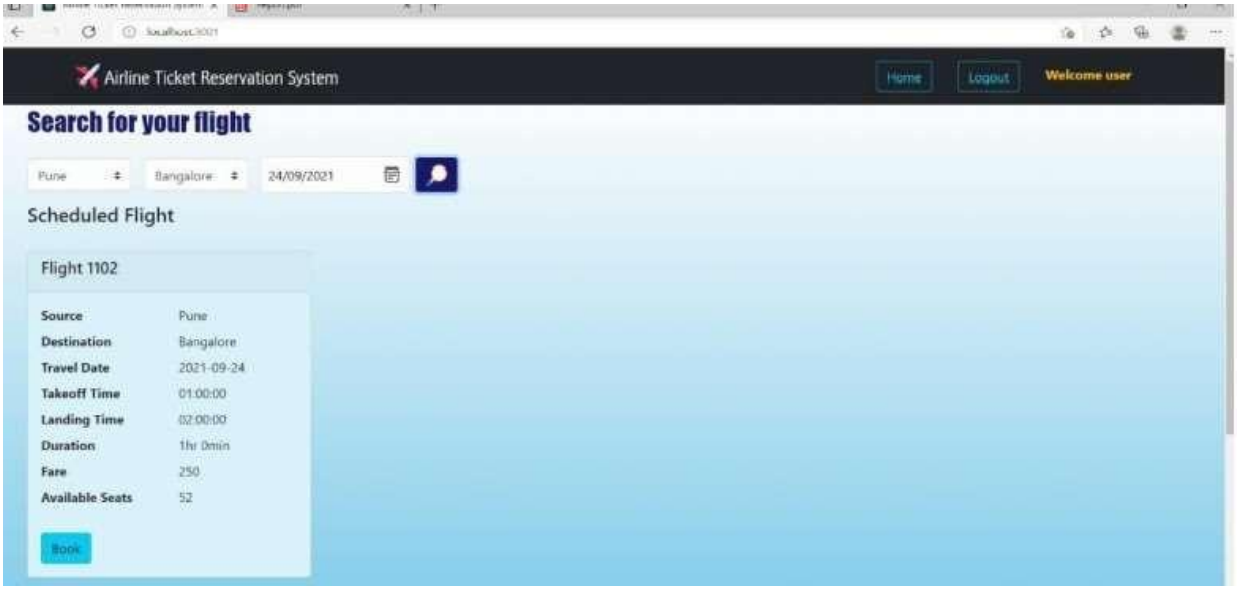
4.B)

1. Process used and process deviations.
2. Airline booking process steps.
3. The whole process of this traveler/airline interaction can be divided into several major steps:

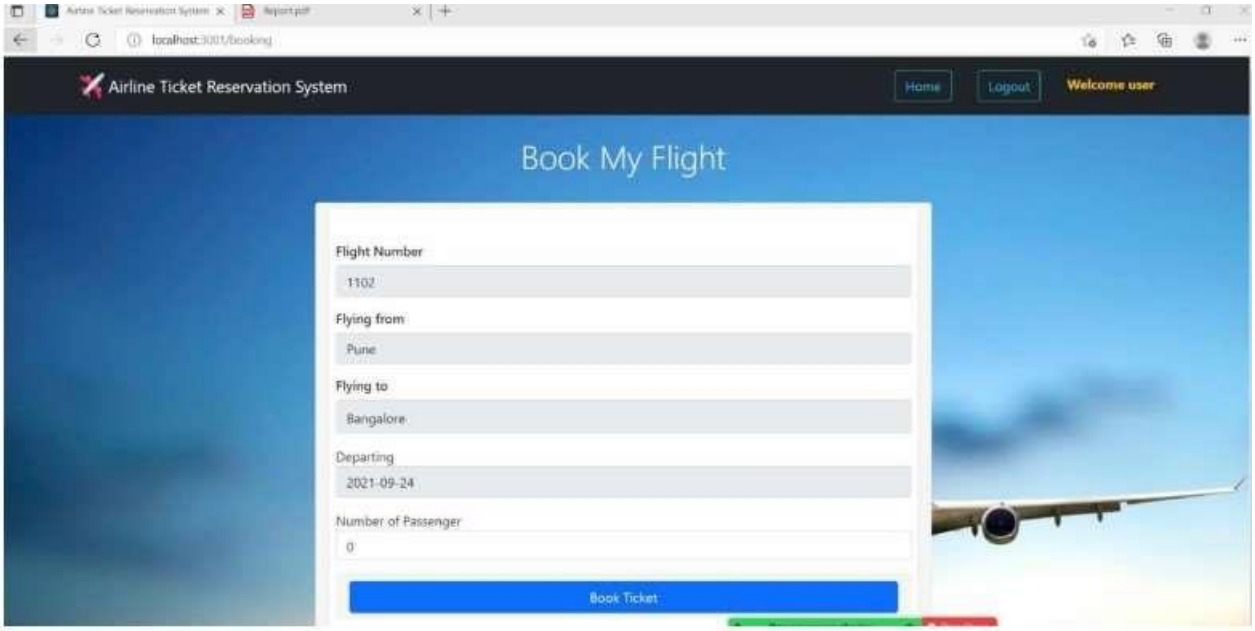
1. Flight Search (screenshot of the process)



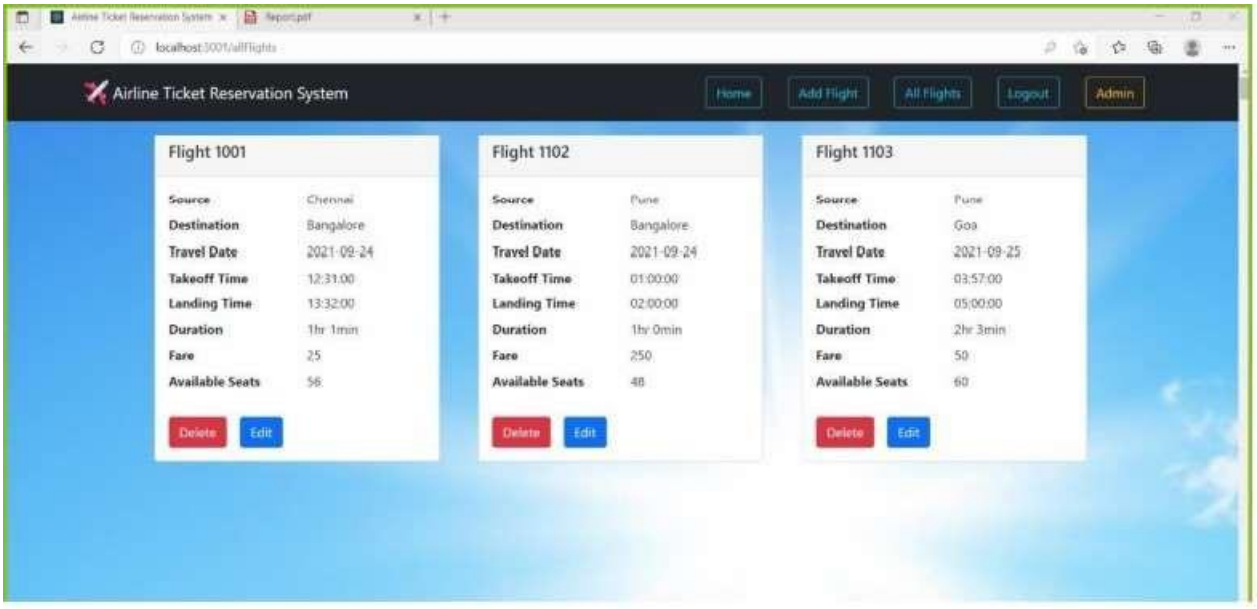
2. Available flights (screenshot of the process)



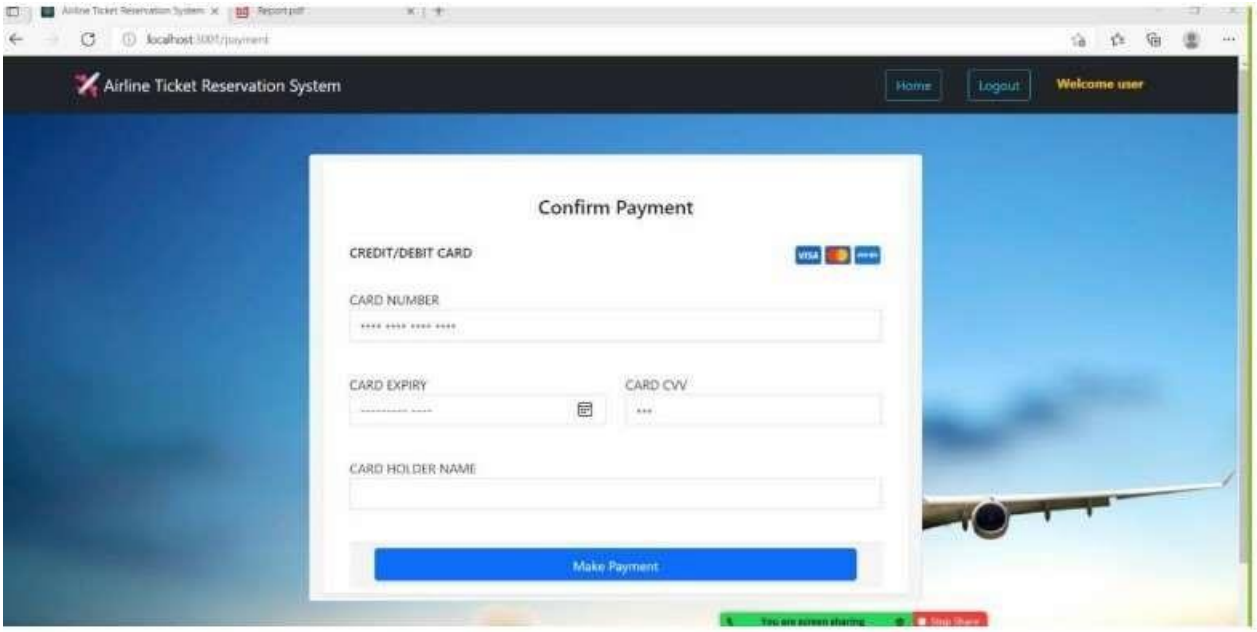
3. Booking the Ticket (screenshot of the process)



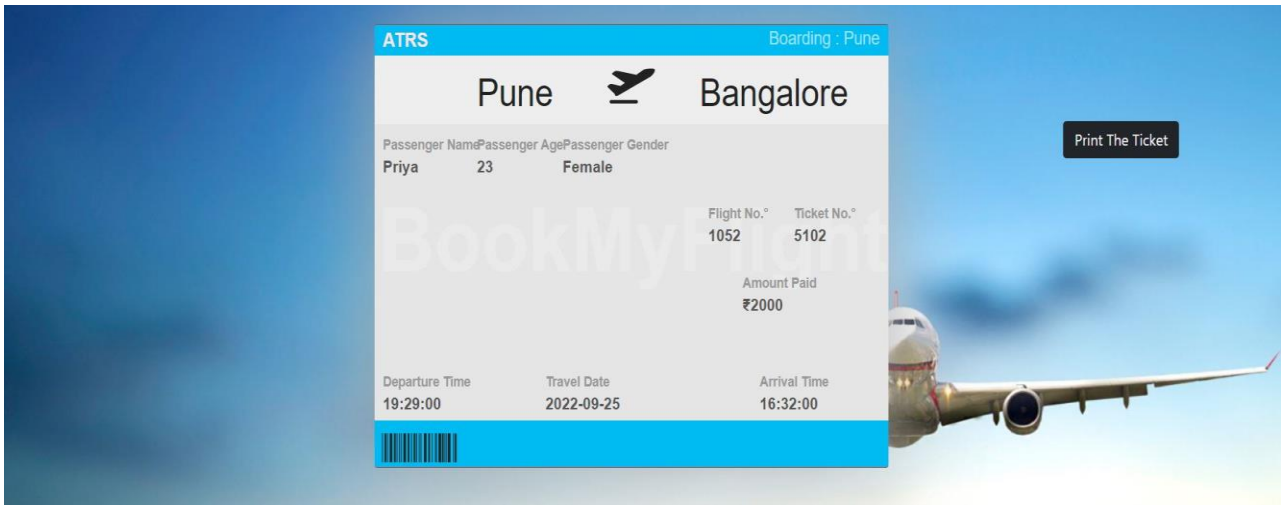
4. Ancillary booking (screenshot of the process)



5. Payment Gateway (screenshot of the process)



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



7. Administrator Console (screenshot of the process)

There are several types of players in this process:

Airlines,

5. Relational Data-Base Schema