

Airline Management System

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September 17, 2021

Abstract

This paper proposes a project with the title *Airline Management System* for the course project to be done under the CS213: Software Systems Laboratory Autumn 2021 course . It describes the project statement, various inputs, outputs and the corresponding operations along with the constraints of the project.

1 Project Statement

Airline Management System is a dedicated and highly configurable system for all airlines, which can be easily accessed by all users. It helps the users to book flights without visiting offline booking counters. This system can be accessible by any user from any location at any time. In such a system, a passenger should be able to view the availability of flights' details, as per their requirement. They can book the flights online and can also cancel the reservation. The administrator manages the passenger booking system and updates the reservation status. [1]

2 Inputs

- User Information
 - Passenger (Name, Email id, Password, Passport No, Passenger ID, Flight No, Source, Destination, Date, Time)
 - Administration (Admin_ID, Name, Email id, Contact no, Password).
- Flight Information
 - Domestic Flight (Type of Flight, Flight No, Source, Destination, In between stations, Date, Time, Type of class, Meal, Amount)
 - International Flight (Type of Flight, Flight No, Source, Destination, In between stations, Date, Time, Type of class, Meal, Amount)

3 Operations

- Administrator
 - Login
 - Manage passengers
 - Update the passenger's status
- Passenger
 - Login
 - Edit Profile
 - Request to view the available flights as per requirement
 - Request for reservation
 - Ticket cancellation

4 Outputs

- Display the available flights as per the user's requirement.
- Display the confirmation of reservation (Display record/Error message).
- Print the ticket.

5 Constraints

- All the passengers must register themselves into the system.
- Login information contains only passenger id and password.
- To view the available flight details, passenger has to give source, destination, and date and time.
- After confirmation of reservation request, passenger can see the status.

References

- [1] S. Maiti, "P06: Airline management system," 2017.