PES UNIVERSITY

B.TECH. (CSE)

V SEMESTER

UE20303 – SOFTWARE ENGINEERING

PROJECT REPORT

ON

JETSETGO - AIRLINE RESERVATION SYSTEM

SUBMITTED BY

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AIRLINE RESERVATION SYSTEM

Objective

To automate the process of airline ticket reservation, booking and airline management hence minimize errors resulting from manual system operations

This website is similar to the process of web login before flight boarding. This application has two users: passengers and airport agents

Functional Features

1. Given that the passenger hasn't already registered, will allow to create an account.
2. The passenger needs to finish KYC by uploading a pdf of any ID.
3. Given that the passenger has already booked a ticket, will allow to link the PNR number to their account, view all the list bookings done so far.
4. The passenger can reserve a seat for their bookings, once checked out, will be able to get their boarding pass also will be able to print it(Ctrl P).
5. The boarding pass will contain the passenger details, scannable QR code of their PNR number, seat number and extra cost that needs to be paid in case the seat reserved is a window seat.
6. The airport agent will be able to scan the QR code and check the passenger details
7. The airport agent can enter the flight ID and grab the passenger list.
8. The agent can accept upon scanning a particular boarding pass, and reject if the passenger is boarding a wrong flight (Where upon scanning the QR code will not be able to get any details).
9. Both passengers and agents can update/modify their profiles.

Functionality

- **Register**
- **Login**
- **Seat Reservation**
- **Flight Bookings**
- **Issual Of Ticket**
- **Profile Modification**
- **Passenger Info**
- **Logout**

Languages Used:

1. **Frontend: HTML, CSS, Bootstrap, JavaScript.**
2. **Backend: Database-MySQL.**
3. **Frontend-Backend connection: PHP**

Significance

- Minimize repetitive work done by the passengers and. admins
- Maintain consistency among different access modes, e.g. by phone, by web, at the information desk and across different physical locations.
- Maintain customer information in case of emergency, e.g. flight cancellation due to inclement weather.
- Minimize the number of vacant seats on a flight and maximize flight capacity utilization
- Reduce effort and frustration for travelers in scheduling a trip, especially by reducing the search effort for the flight they need to take.
- In addition, the outcome of this study will provide a basis for developing the appropriate approach to the problems associated with air traveling operations in relation to Airline Reservation Systems