

PROJECT DOCUMENTATION

AIRLINE RESERVATION SYSTEM

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INTRODUCTION

The System is designed to provide functionalities like booking of tickets in which a user should be able to book tickets of any flight and of any class. The system displays the details of flight according to their search and provide information like the availability of tickets of flight, flight schedule. A limitation is imposed when the number of tickets for which user apply is greater than available seats or no seats are available. If the tickets are available, then it is issued to the user and it will be updated in the database concurrently. The system generates the ticket that can be downloaded by user. The System calculates the amount for ticket and the user should pay the amount. It also provides the functionality of cancellation of tickets. The admin can login into system and Add or Delete a particular flight and can also view all user records and ticket and passenger details .

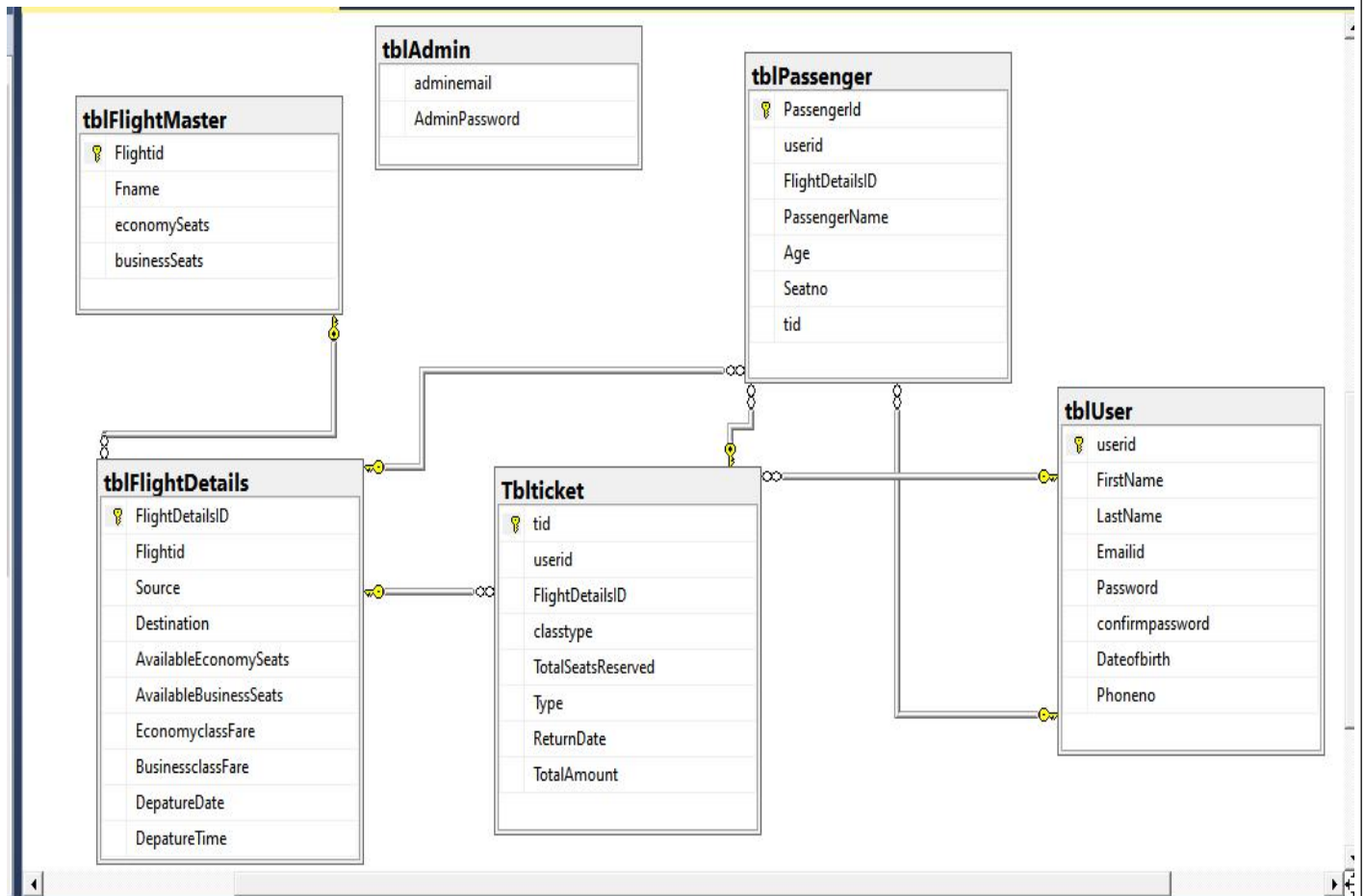
TECHNOLOGY USED

- Asp.Net Core MVC
- SQL Database
- Approach- Database first approach

MODULES

- Admin module
- User module

DATABASE



Registration

Register Page

- No user can register more than one time as email id and phone number are unique
- Every Field is required.
- Password should contain atleast 8 characters including special characters, numbers, upper and lower case.
- Confirm password should match the password.
- Phone numbers should contain 10 numbers starting with 9 or 8 or 7.

Login Page

Every user should register only then they can login using their correct email id and password

Admin Module

- Login
- Add/edit Flight
- Add/edit/delete Flight details
- View Ticket records
- View Passenger records
- Get Passenger details by user id/flight id
- Get Ticket details by user id/flight id

Highlights

We also used grid searching, sorting, paging in Admin modules and handled exception

User module

- Register
- Login
- Profile - user can view their booking details in this page
- Search flight
- View Flights
- Select flight
- Choose Class type and Ticket type and seat

- Enter each Passenger details
- Payment
- Download Ticket in pdf format
- Cancel Ticket

Highlights

Handled all exceptions using try catch block. Also used grid searching, sorting and paging .

Download ticket and can print it.

Tasks

Strelina

- Implementation of all User Module
- Implementation of Admin Module
- Exception Handling for user module
- Grid Paging, Searching, Sorting
- Implementation of Ticket Download

Varsha

- Database Creation
- All Model Validation
- Exception Handling for user module
- Login & Register Module

Abirami

- Design of Login and Register Page
- Layout of User and Admin Module
- Design of User and Admin Page
- Exception Handling for Admin module

Selvaganesh

- Database Creation
- Crud operation for Flight in admin Module
- Crud operation for user records in admin module
- Exception Handling for Admin module

