

Flight Reservation System

Project Report



Enterprise Application Development Assignment (EAD)

Assignment 1 – Pair work

JSP and Java Servlets

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Flight reservation system will hold flight schedules and its fare tariffs, passenger reservations and ticket records. It saves time as it allows online procedure as users no longer to wait in a queue to book the flights. It is automatically generated by the server. Admin is the main authority who can make addition, deletion, modification of flights if required.

The project has been planned to be having to view of distributed architecture, with centralized storage of database. The application for the storage of the data has been planned. Using the constructs of database Mysql and all the user interfaces have been designed using the Java Servlet technologies.

The database connectivity is planned using the SQL Connection methodology. The standards of security and data protective mechanism have been given big choice for proper usage. The application takes care of different modules.

- Users of the flight reservation system are “Admin” and “Customer”.
- Admin can login with valid credentials.
Email: - admin@admin.com
Password: - admin
- Admin can add, update aircrafts to the system and delete aircrafts from the system. As well as those information is persisted in the database. Air craft record contains registrationNo and seatCount.
- Admin can create, view, update, delete new flight schedules and those information is persisted in the database. Flight schedule record contains flightNo, departureDate&Time, deparureAirport, arrivalDate&Time, arrivalAirport, aircraft, PricePerHead. As well as we assume that there are not classes of seats divided into categories and assume that same price for all the seats.
- ❖ Customer can register themselves to the system and that information is persisted in the database. Customer record contains customerId, name, email, phone and password.
- ❖ If a customer is a registered user he/she can login with valid email and password.
- ❖ As the customer, he/she can book tickets for the scheduled flights.
- ❖ When issuing tickets, the seat count of the allocated aircraft for that flight is not exceed because the available seats count is decreasing accordingly.

Screenshots

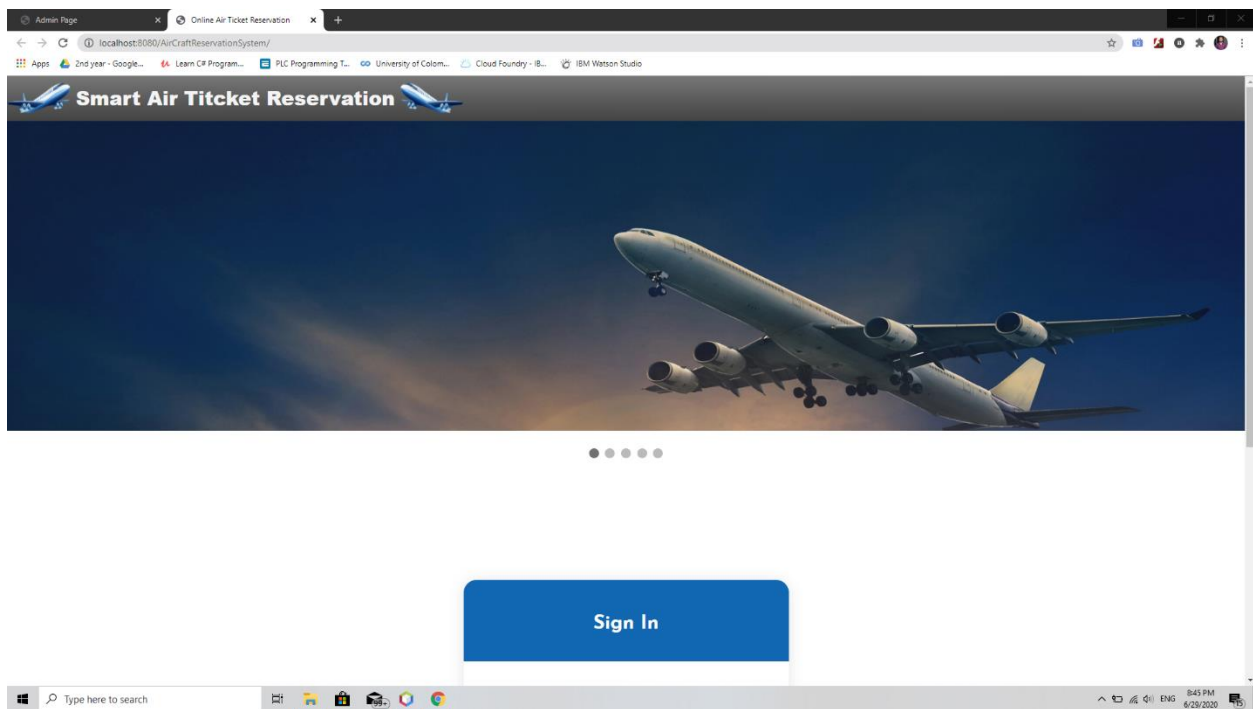


Figure 1.1: Home Screen

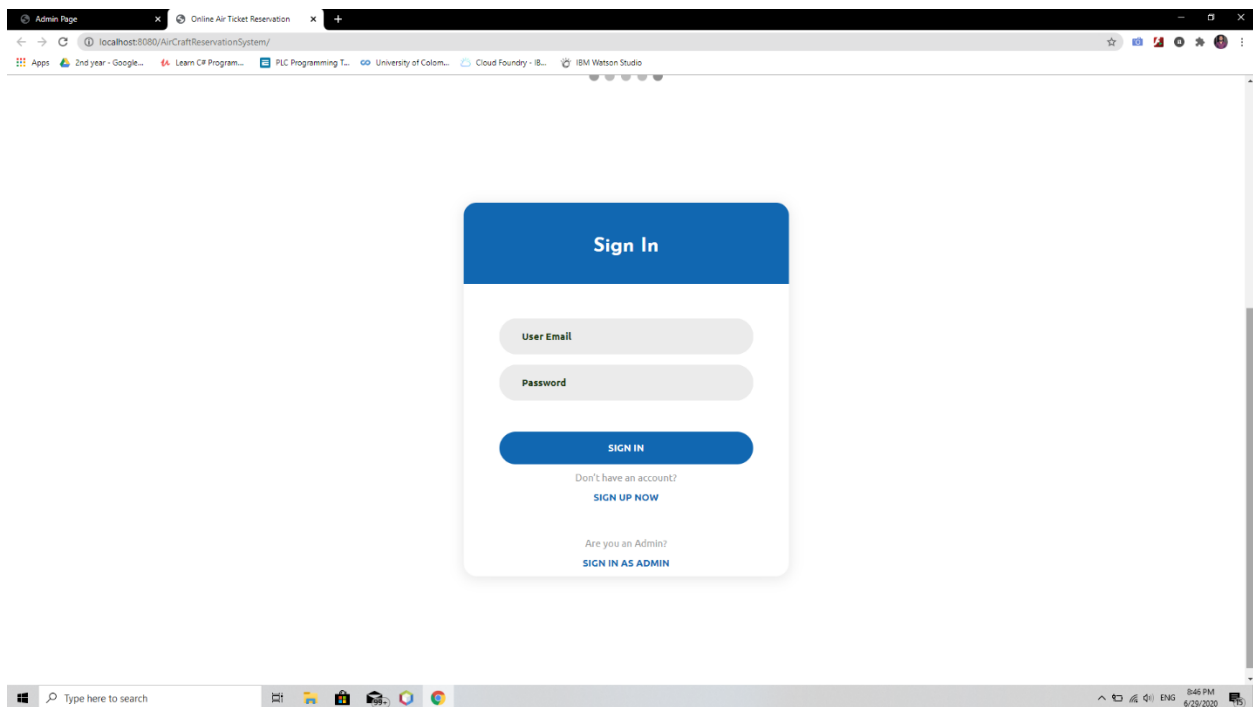


Figure 1.2: Customer Sign In

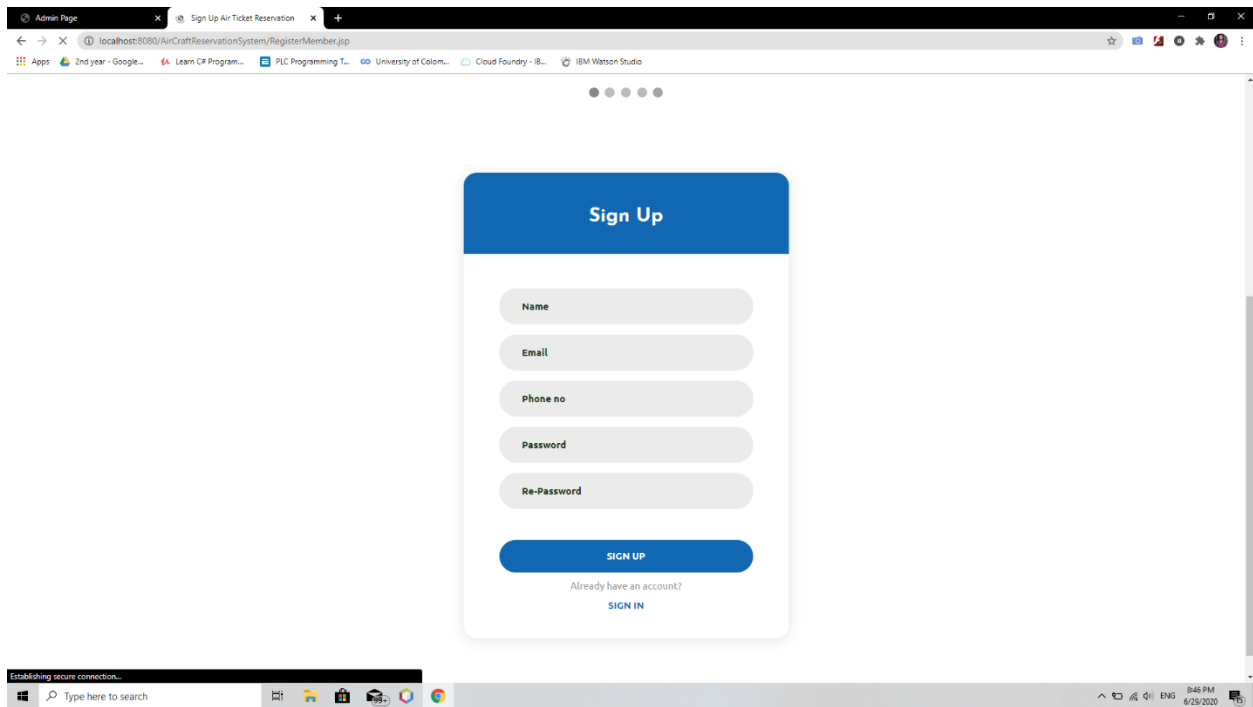


Figure 1.3: New user Sign Up

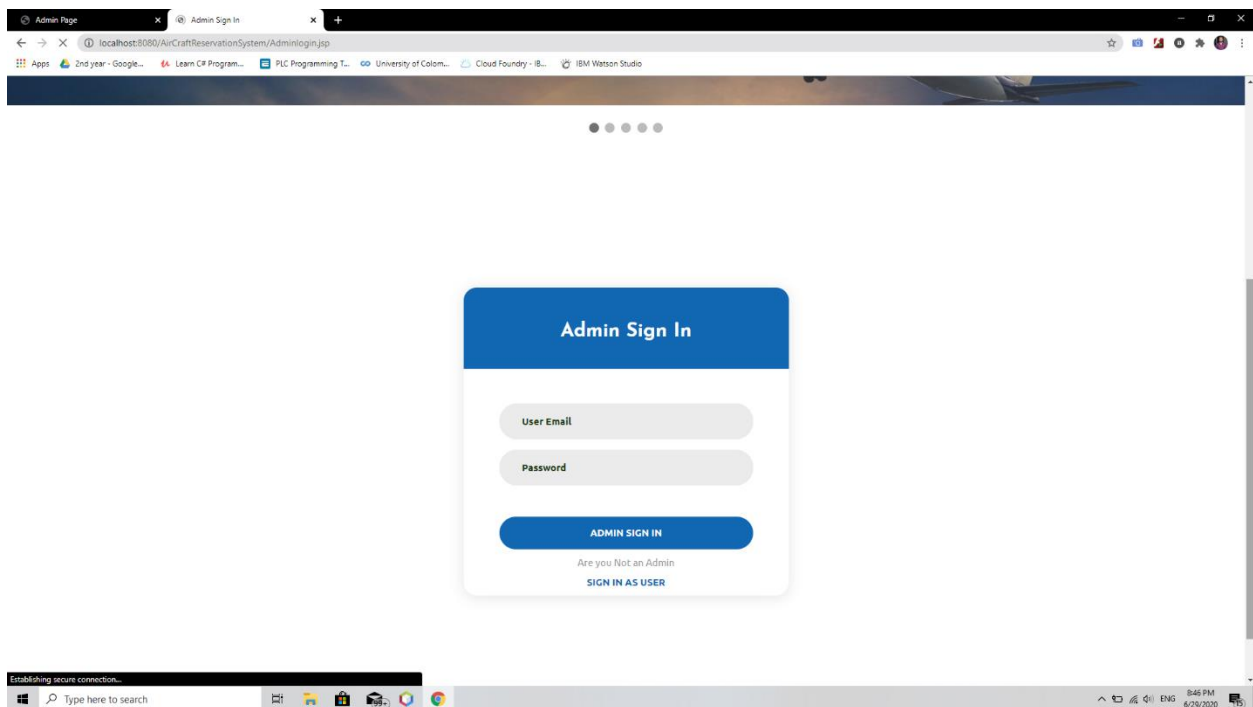


Figure 1.4: Admin Sign In

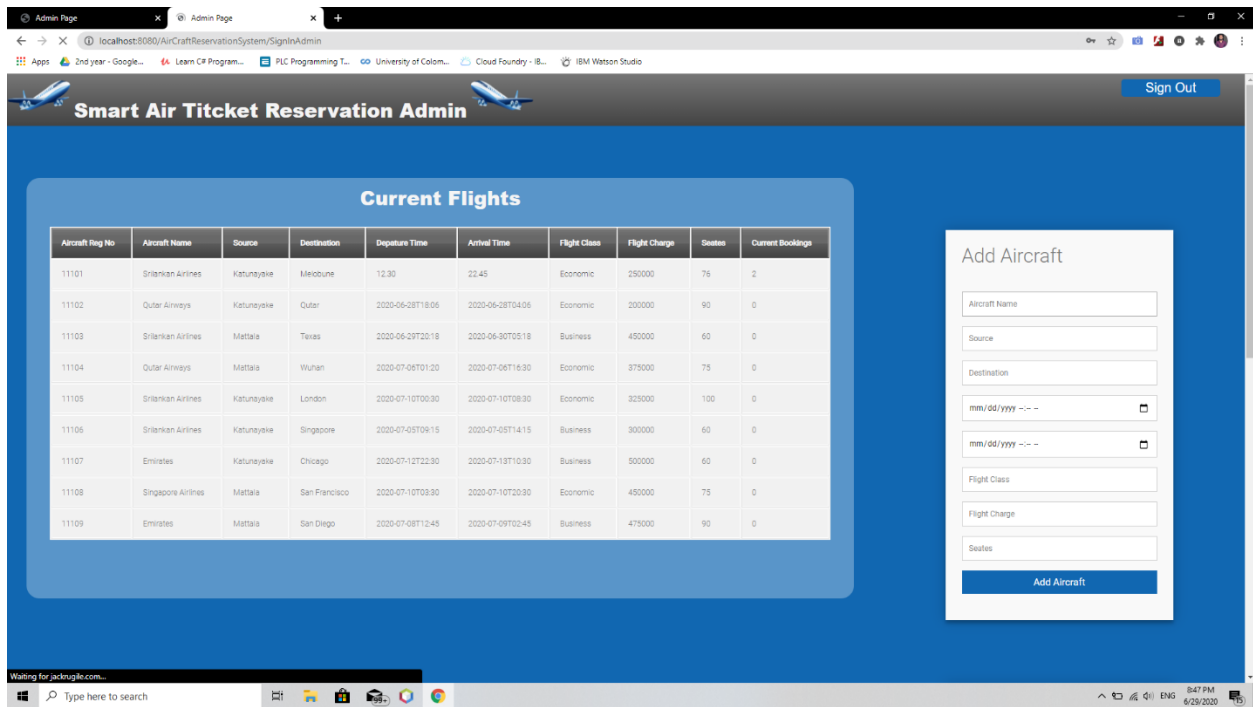


Figure 1.5: Admin Page

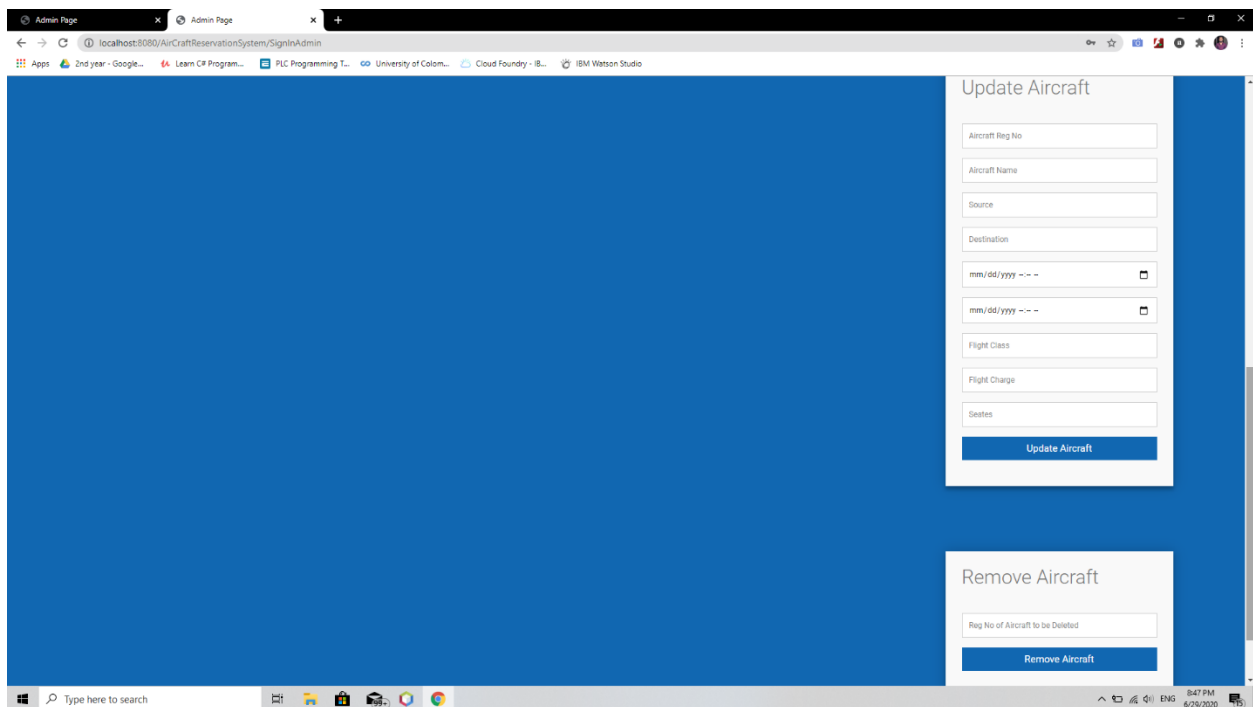


Figure 1.6: Admin Page

Admin Page

Welcome to the Online Aircraft : X

localhost:3030/AirCraftReservationSystem/SignInMember

2nd year - Google...

Learn C# Program...

PLC Programming T...

University of Colom...

Cloud Foundry - IL...

IBM Watson Studio

Smart Air Ticket Reservation

Sign Out

Current Flights

Aircraft Reg No	Aircraft Name	Source	Destination	Departure Time	Arrival Time	Flight Class	Flight Charge	Seating
11101	Srilankan Airlines	Katunayake	Melbourne	12.30	22.45	Economic	250000	76
11102	Qatar Airways	Katunayake	Qatar	2020-06-28T18:06	2020-06-28T04:06	Economic	200000	90
11103	Srilankan Airlines	Mattala	Trives	2020-06-29T20:18	2020-06-30T05:18	Business	450000	60
11104	Qatar Airways	Mattala	Wuhan	2020-07-06T01:20	2020-07-06T16:30	Economic	375000	75
11105	Srilankan Airlines	Katunayake	London	2020-07-10T00:30	2020-07-10T08:30	Economic	325000	100
11106	Srilankan Airlines	Katunayake	Singapore	2020-07-09T09:15	2020-07-09T14:15	Business	300000	60
11107	Emirates	Katunayake	Chicago	2020-07-12T22:30	2020-07-13T10:30	Business	500000	60
11108	Singapore Airlines	Mattala	San Francisco	2020-07-10T09:30	2020-07-10T20:30	Economic	450000	75
11109	Emirates	Mattala	San Diego	2020-07-08T12:45	2020-07-09T02:45	Business	475000	90

Book Tickets

Customer Name

Reg No of Flight

Num of Seating Booking

Confirm Booking

Establishing secure connection...

Type here to search

8:47 PM

6/29/2020

Figure 1.7: Customer Page