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 themself 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

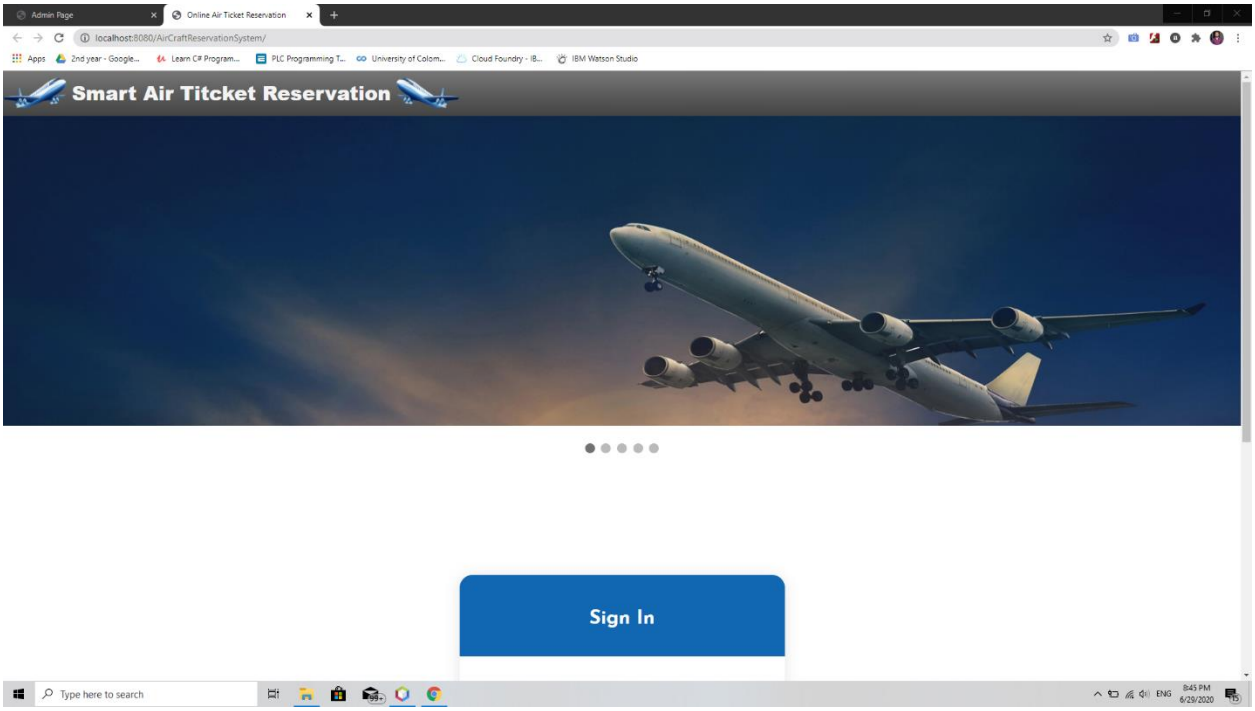

Figure 1.1: Home Screen

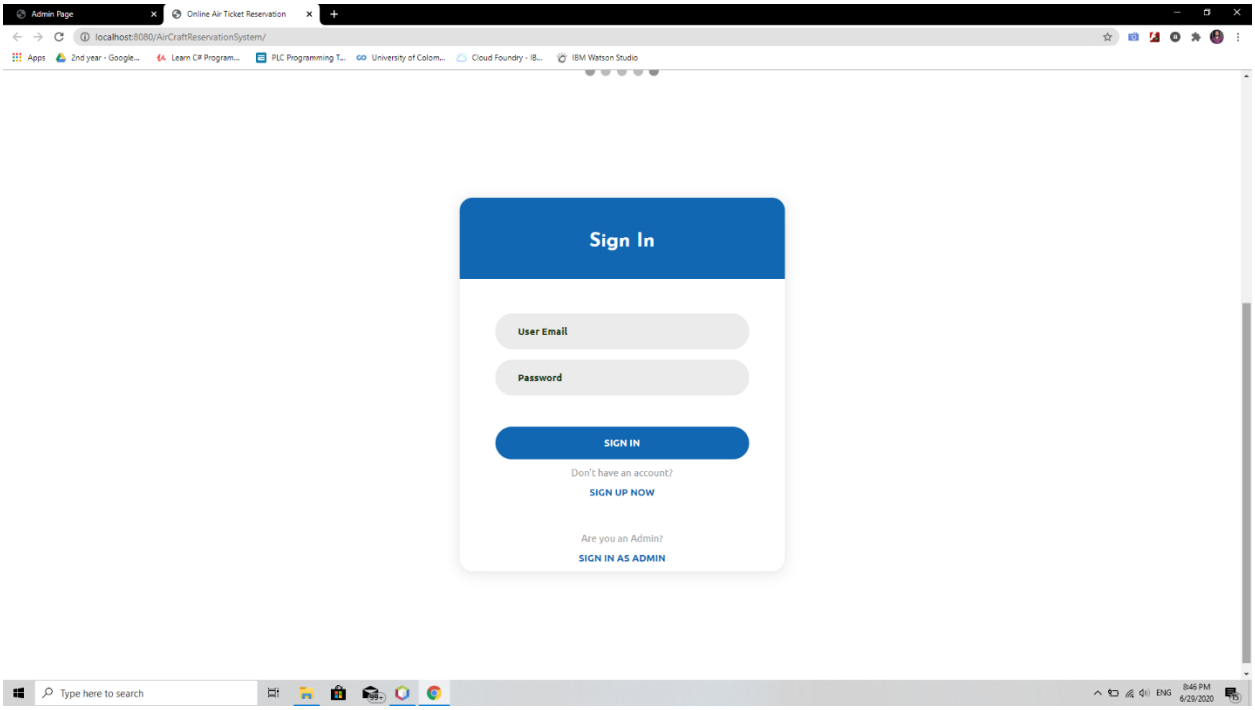

Figure 1.2: Customer Sign In

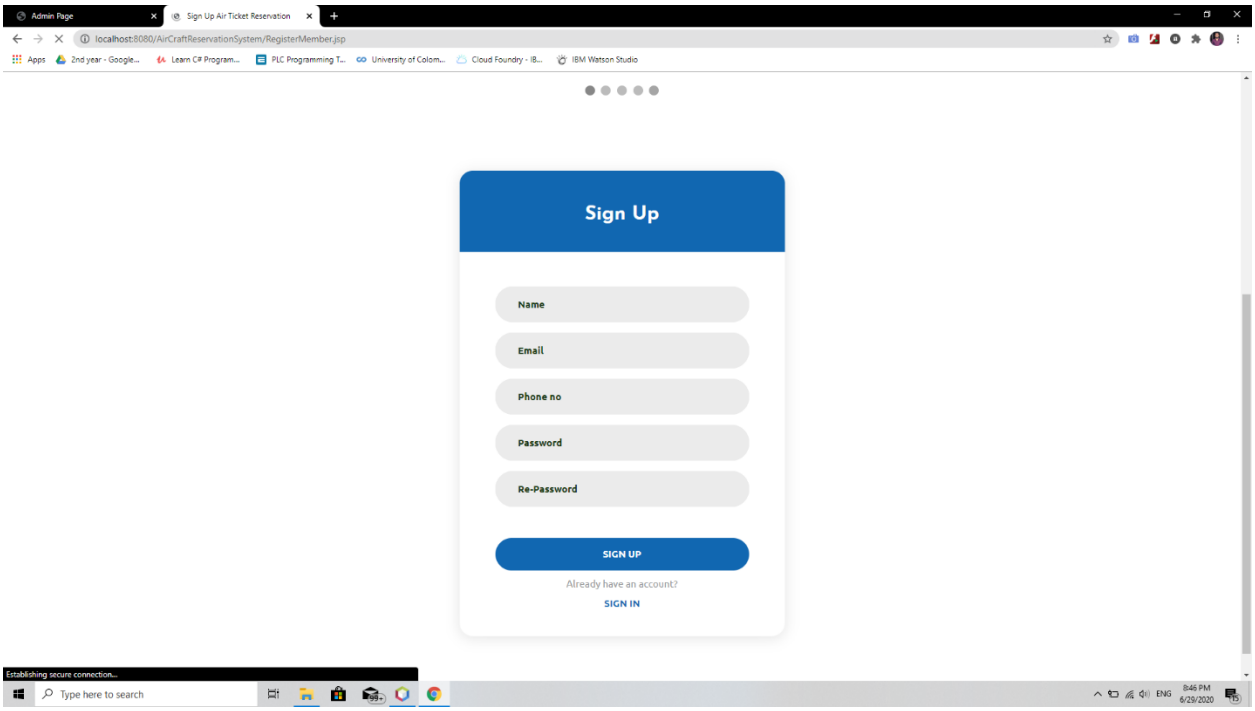

Figure 1.3: New user Sign Up

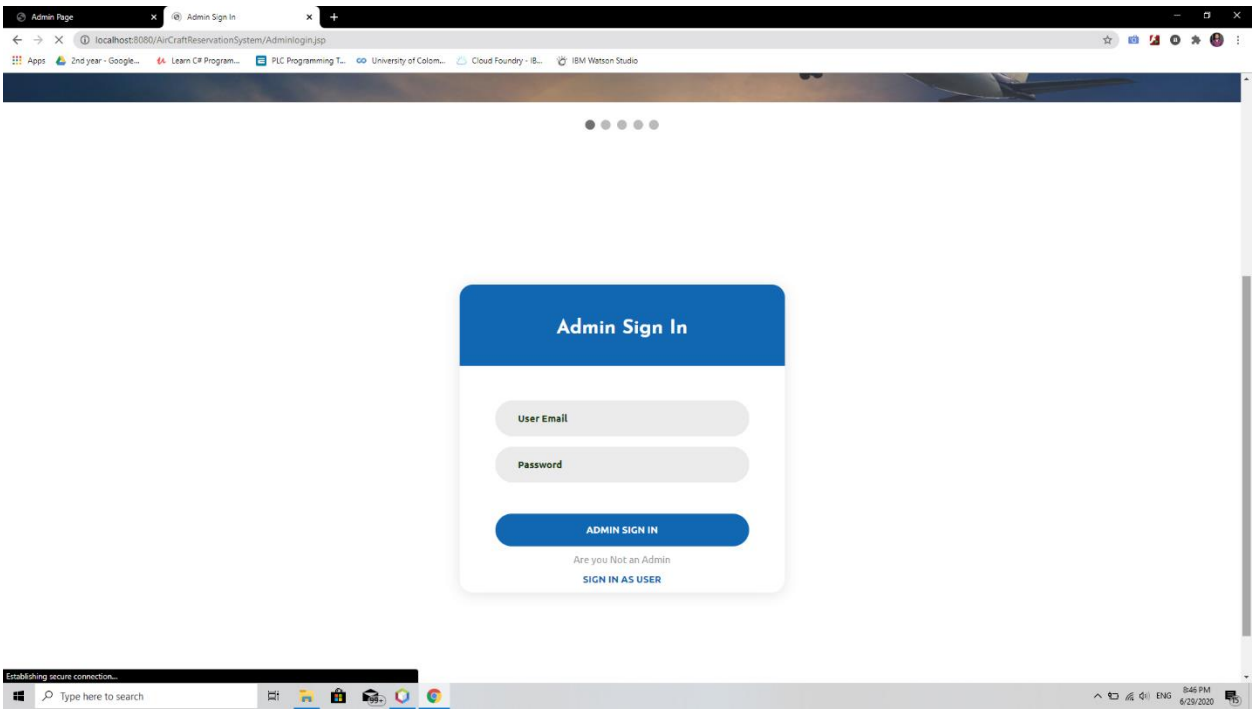

Figure 1.4: Admin Sign In

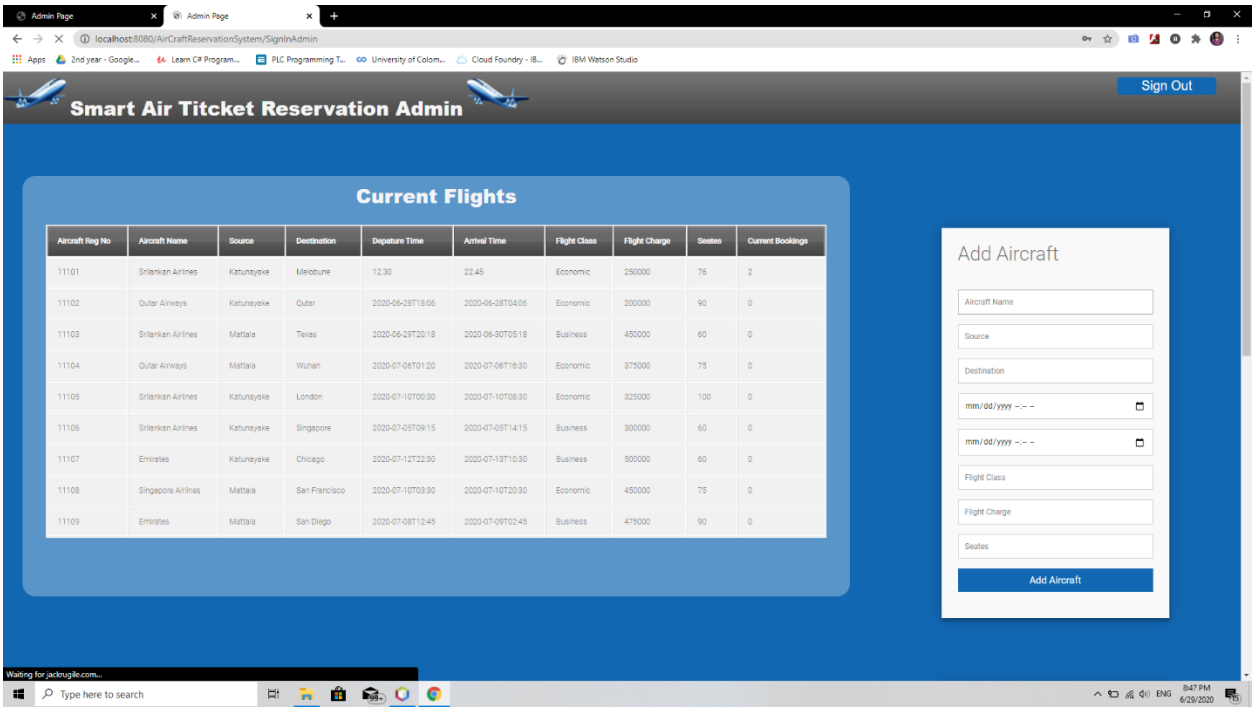

Figure 1.5: Admin Page

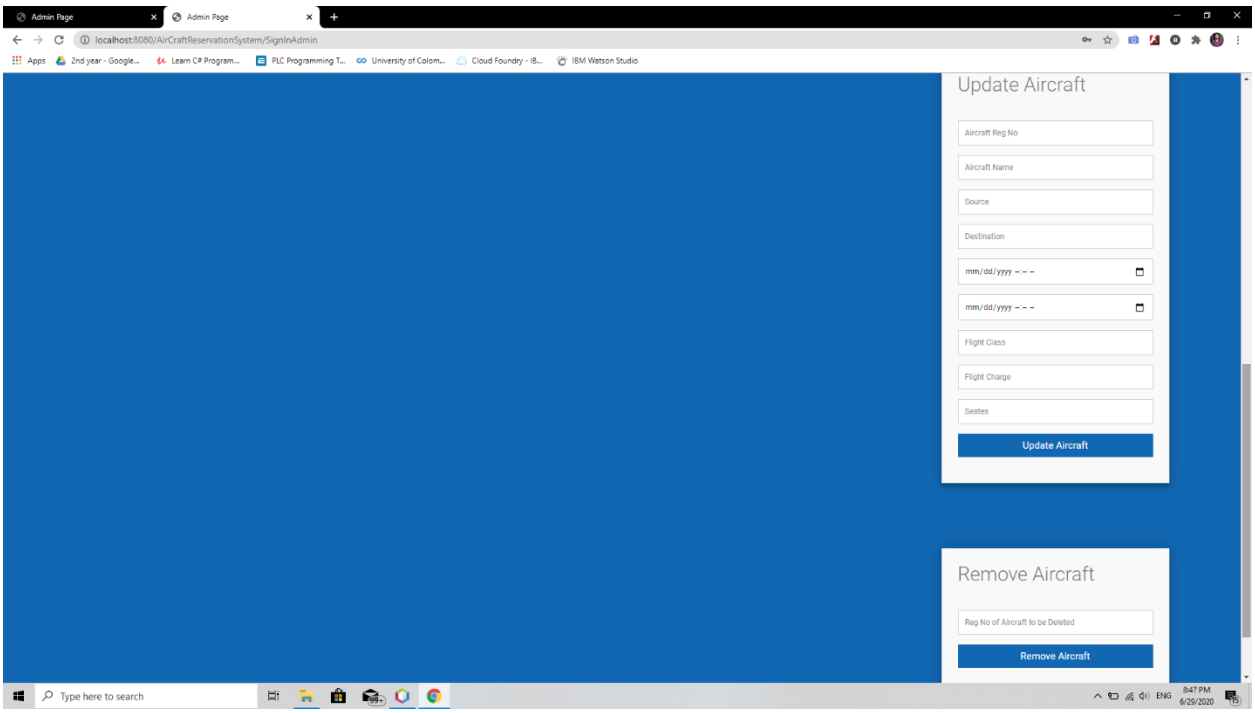

Figure 1.6: Admin Page

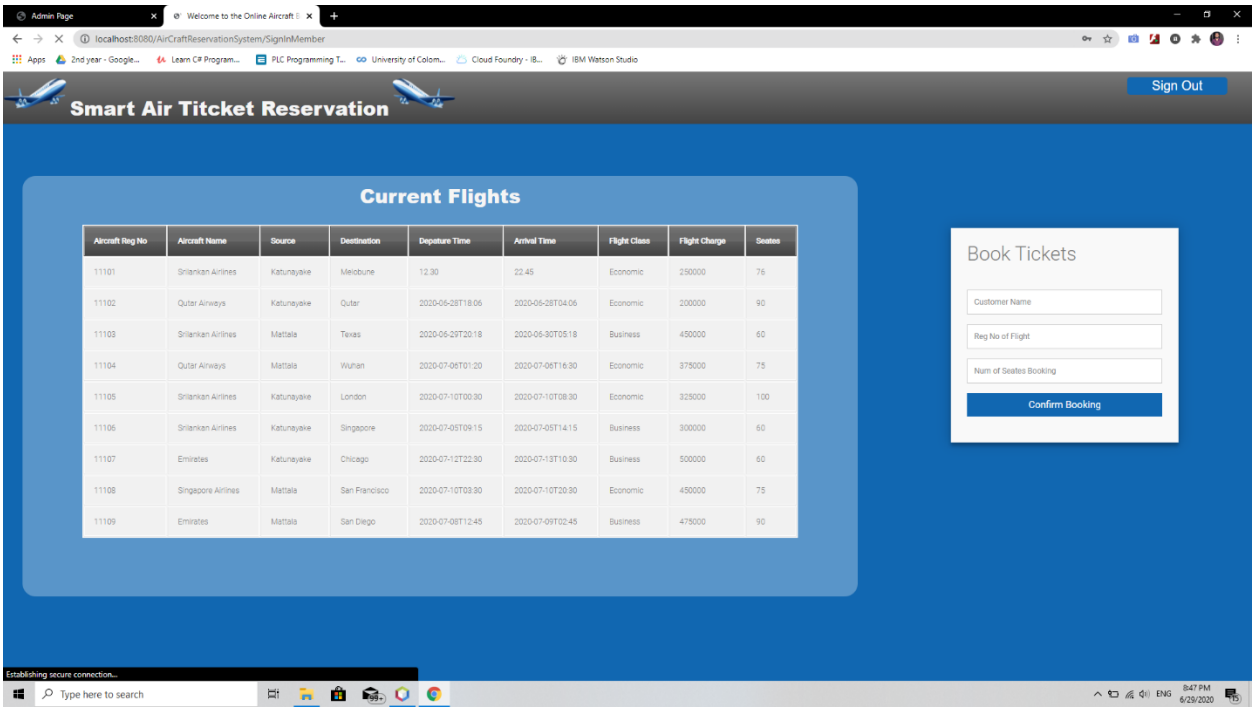

Figure 1.7: Customer Page