

Flight Booking System

Introduction:-

Online Flight Booking Management System is a simple web application. It contains admin and user, and the admin can manage all booking like approved, create new user, add new airlines, update, delete, edit. The user represents staff but limited access to the system, but they cannot delete other users. The system's primary purpose is to manage all bookings.

The project aims to design an Flight booking Reservation System application which enables the customers to search and book flight . Airline Reservations Systems contain fare tariffs, passenger reservations and ticket records.

1.OVERVIEW OF THE PROJECT:

The Flight Booking Reservation System project is an implementation of a general Airline.

Ticketing website like Orbitz, which helps the customers to search the availability of flights,

book and cancel the flight tickets. This project also covers adding, deleting or modifying the

customer details and flights. In general, this website would be designed to perform like any other airline ticketing website available online.

1.2PURPOSE OF THE PROJECT:

The purpose of this project is to implement or to design a database for an airline reservation system to check the flight details,book and cancel flight tickets. It makes the process of booking and cancelling flight tickets simple and easy for the passengers.

1.3 PROBLEM DEFINITION:

Normally a person wants to reserve his ticket and he has to contact at nearest Overseas Travels branch. The Airline Reservation System provides an interface to schedule flights and reservations for an airline through internet. Its responsibility is to keep track of system users, customers, Airbus information, flight information and cancellation.

Software Requirement:-

Java	:	Jdk-18, Spring
Tool Suite		
Database	:	MongoDb
Server	:	Web Server,
Postman		
Testing	:	Junit5

Hardware Requirement:-

Processor	:	Core i3 and
Above		
RAM	:	4GB
Hard disk capacity	:	25 GB

SERVICES:-

(1)Login and Register:

The Flight Booking Reservation System also comes with the customer registration details page, where the customer can enter his details and register. He can also create a username and password.

Moreover, they will also be able to modify the registration

information in case of a change in their e-mail address or any other information.

(2) Booking Flights:

The website also provides instructions to the customers on how to book airline tickets.

(4) Update Flight:

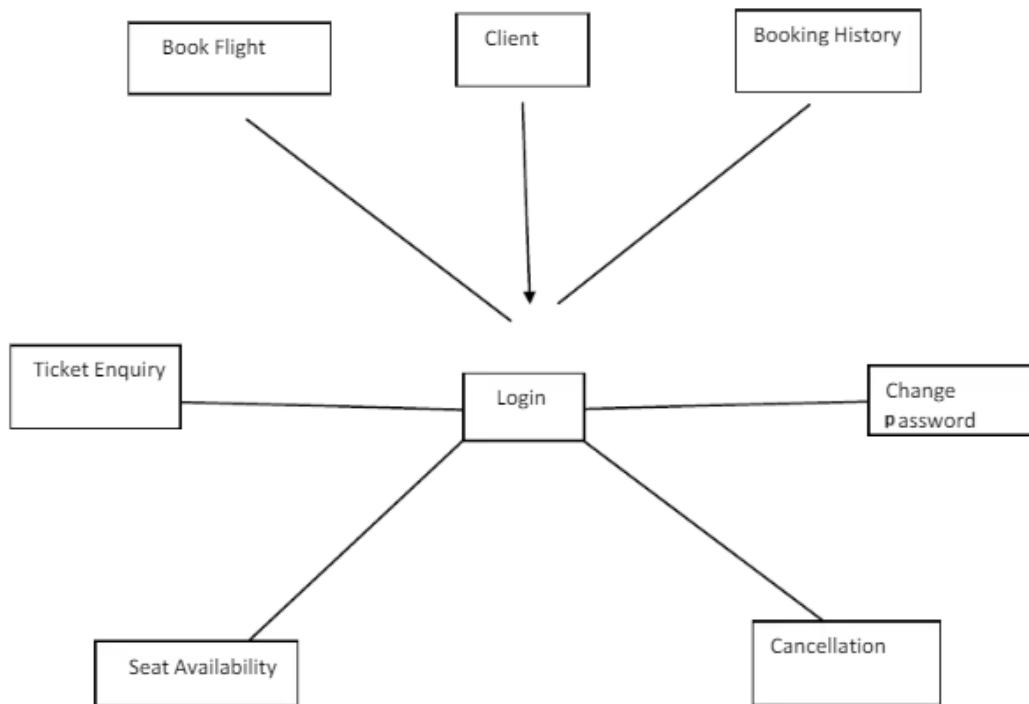
This functionality is helps the user to modify their flight reservation by changing their departing date date/time or/and arrival date/time.

(5)AdminFlight:

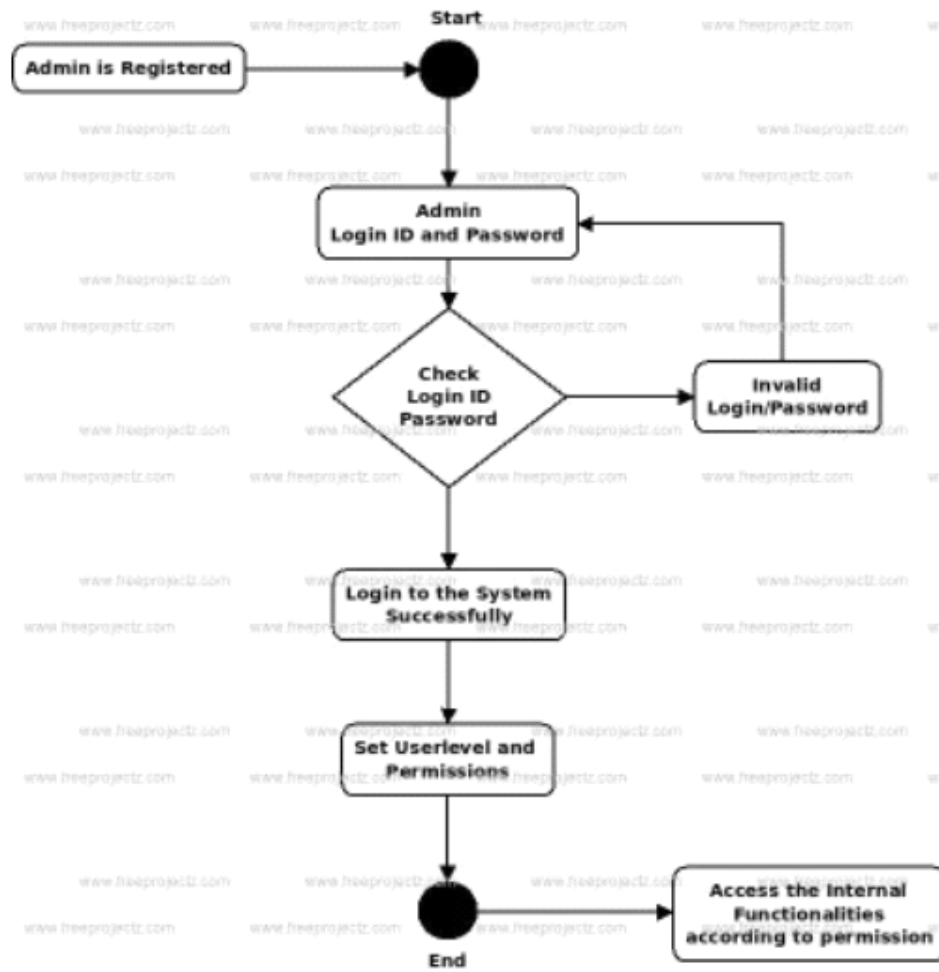
this is a functional module provided for user to cancel flight in case of any situation that may occur

Diagram:-

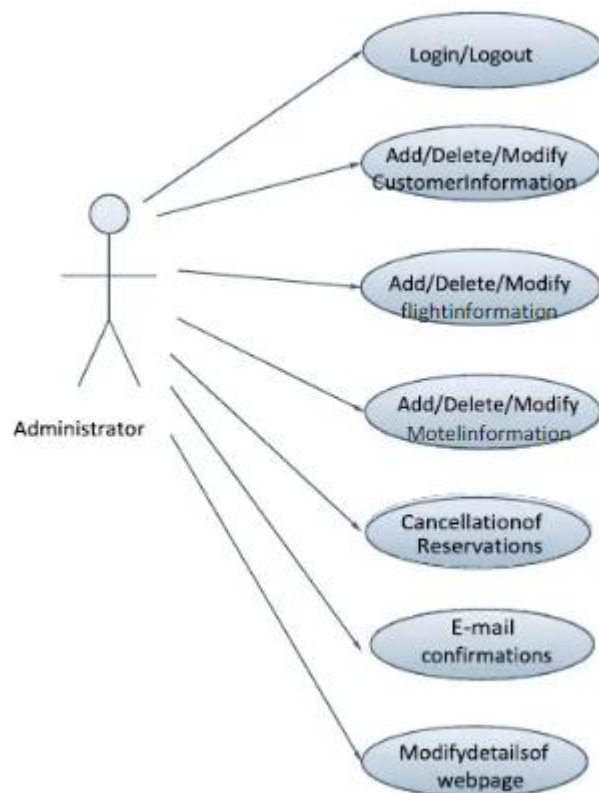
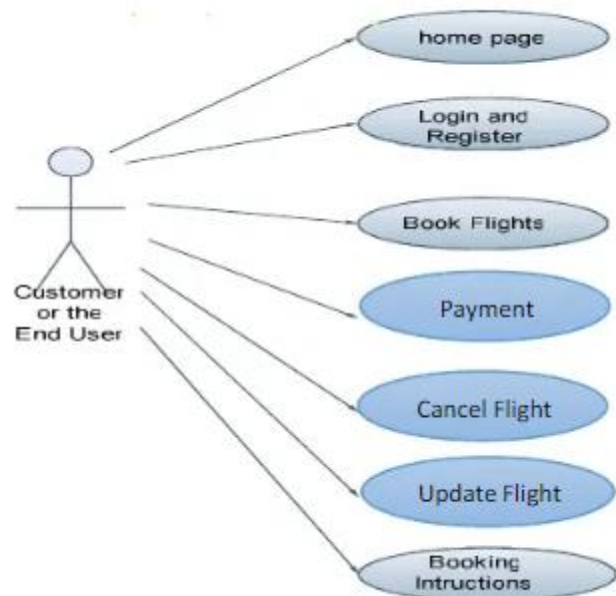
(1)uml diagram:-



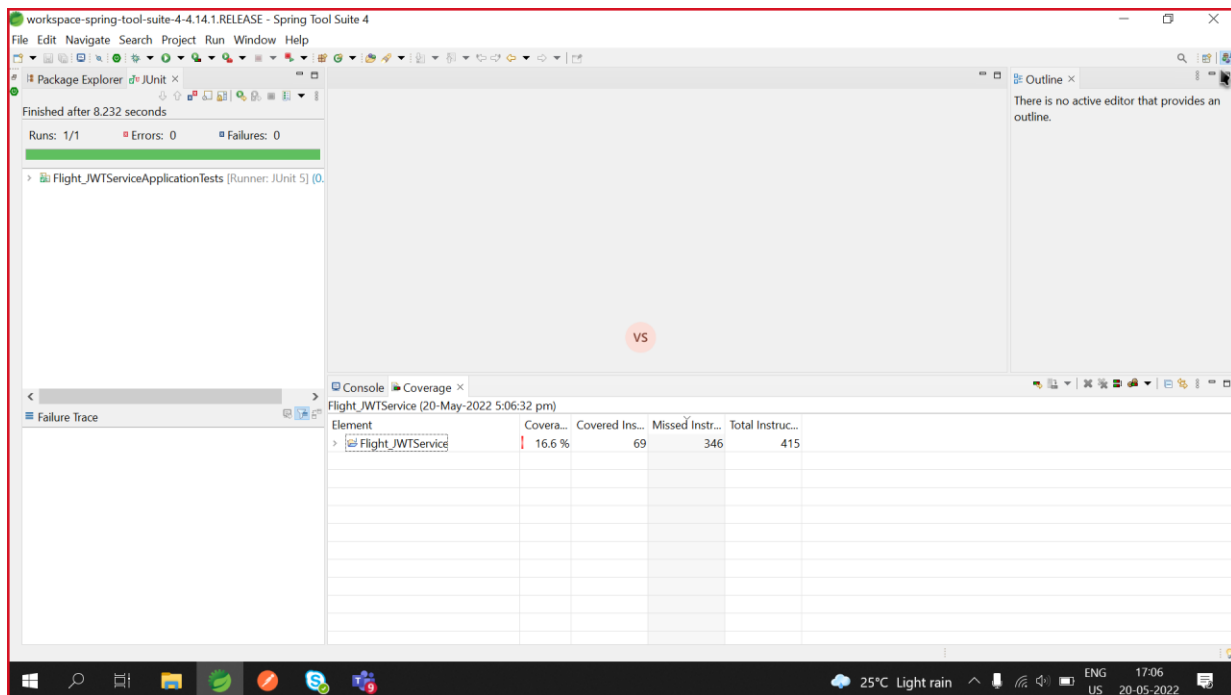
(2) control flow diagram:-



(3)use case diagram:-



Code Coverage:-



Further Enhancement:-

There is no doubt that the online flight booking system is here to stay. Although only the areas in the world with high speed connection and internet accessibility are the largest customers of this system currently, the internet reach throughout the world is rapidly growing.

It can be expected of not only the airlines industries but also other travel and tourism industries to add even more features and enhance the online system of booking and other services. The internet security and the limited customers from only the developed side of the world are currently the biggest general challenges.

But since various research and results show that the business of airlines has increased by folds upon the introduction of online flight

booking system, it is almost certain that there will be further development and enhancement in the already user-friendly online system of most airlines today with the rapid growth of technology.

Conclusion:-

It reduces the scope of manual error and conveniently maintains any modifications, cancellations in the reservations. It not only provides flight details but also but also creates a platform to book tickets, cancels or modifies ticket timings or dates and even informs about the number of people on board.