

FLY AWAY

AN AIRLINE booking portal

Developed by Naveen kumar.k

This Code is hosted on the GitHub
<https://github.com/Kalyanapu/FlyAwayAirlines>

• Sprints planned and the tasks achieved in them

Flyaway was divided in 3 sprints of 1 week each.

Sprint 1: -

1. Initialized the project, made it Hibernate project and added dependencies: -
MySQL Connector
Hibernate libraries, JSTL, Servlet API.
2. Setting MySQL database environment and tomcat server
3. Made E.R. diagram for database and entities relationship.
4. Made classes for entities and established relationship between them.
5. Configured hibernate and mapped classes as entities.
6. Populated the data by hibernate

Sprint 2: -

1. Planned the structure of the website
2. Made a Hibernate util. class to use it across the servlets.
3. Made servlets for each class list.
4. Made an Admin Login page to login in to the Booking portal
5. Made Admin Dashboard to know the Structure of the Booking portal
6. Made the change password page to change the password when required

Sprint 3: -

1. Made login.html page to login into the portal for the flight status
2. Made password verified page to detect the changes in the password updation
3. Made registration page to register for the Account
4. Made a payment gateway page to trace the payment details and updation of the amount detected from your account
5. Made connection between JAVA application and the Database MYSQL to fetch the details from the Database

Core concepts used in the project

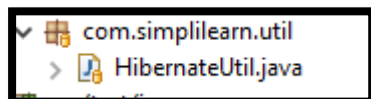
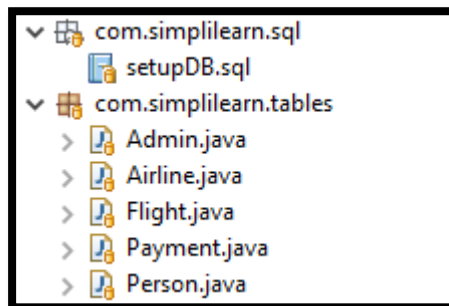
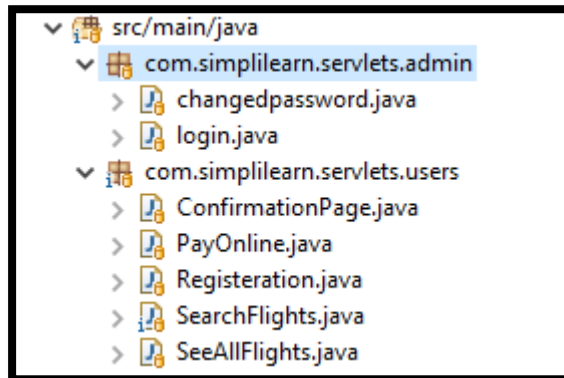
- Server request response object
- HTTP Session, Cookies URL Redirect Hidden Field.
- Collection Framework
- Date Time object with SimpleDateFormat
- Hibernate, Different types of mapping (one to one, one too many, many to one, many too many).
- Sorting technique using database query as well as using Collection framework comparator methods.
- MVC Framework where View (Html pages), Controller (Servlet pages), Data Model (Entity Classes and interface which interact to backend database using hibernate framework)
- Table Joins, Filters, Sub queries Transaction Control
- HTML and Servlet
- HTML to design view
- Web container such as Tomcat server usage deployment of web application and Running/configuration.
- MySQL Database and SQL Query language.

Classes: -

- Admin Class
- Users Class
- Data base tables
- Util class

The below classes are

1. Changed password,
2. Login
3. Confirmation Page
4. Pay Online, Registration
5. Search Flights
6. SetupDB.sql
7. Admin, Airline, Flight& Payment, Person



Below are the outputs for the above Classes & HTMLpages:

Admin login page:

Where the user can create their account and login into the portal to see the flight details

[Home](#)

Admin Login Page

Username:

Password:

[Login](#)

Admin Dashboard:

Where the user can login and see the status of the flights

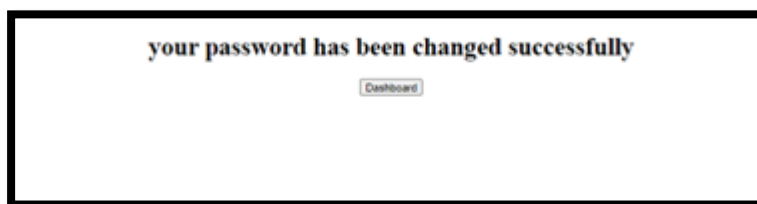


Change Password:

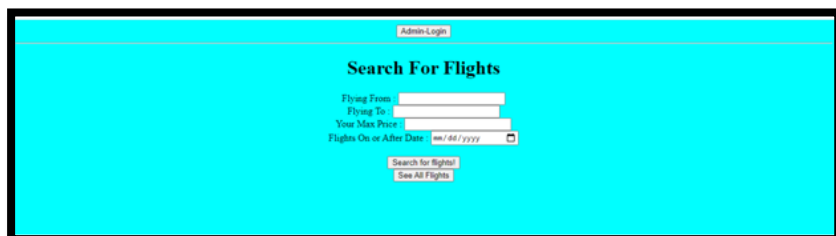
Where the User can change the password when required

A screenshot of a 'Change Password' form. At the top, there is a link labeled 'Dashboard'. Below it, the title 'Change Password' is centered. The form contains two input fields: 'New Password:' and 'Confirm New Password:'. Below these fields is a button labeled 'Change password'.

User after changing his password successfully

A screenshot of a success message displayed on a white background. The message reads 'your password has been changed successfully'. Below the message is a button labeled 'Dashboard'.

Search Flights to see the present status of the flights :

A screenshot of a 'Search For Flights' form. At the top, there is a link labeled 'Admin Login'. The title 'Search For Flights' is centered. Below the title are four input fields: 'Flying From', 'Flying To', 'Your Max Price', and 'Flights On or After Date'. The 'Flights On or After Date' field has a date picker icon. Below these fields are two buttons: 'Search for flights' and 'See All Flights'.

List of all flights:

Where user can see the all flights available for the booking slot

List of all Flights:							
Flight ID	Airline	Number Of Seats	Source	Destination	Departure Date	Arrival Date	Price
1	Air France	179	VZQ	HYD	2021-10-05	2021-10-06	500.0
2	jet Airways	10	BHO	BZV	2021-10-06	2021-10-10	2000.0
3	Singapore Airlines	150	SEC	VZQ	2021-10-10	2021-10-13	100.0
4	Japan Airlines	20	MLM	NYC	2021-10-12	2021-10-21	520.0
5	Turkish Airlines	119	VZQ	NYC	2021-10-15	2021-10-28	1000.0
6	Qatar Airways	123	BHO	JAP	2021-10-16	2021-10-27	1500.0

Flight Registration page:

Flight Registration Page

Flight ID :

First Name :

Last Name :

Email :

Birthday (yyyy-MM-dd) :

Payment Details:

Confirm Flight Details:

Flight ID: 1
Airline: Air France
Number Of Seats: 179
Source VZQ
Destination: HYD
Departure Date: 2021-10-05
Arrival Date: 2021-10-06

Your Total is: \$500.0

Enter Payment Details

First Name On Card :

Last Name On Card :

Card Number :

Expiration (yyyy-MM-dd) :

Security Code :

Confirmation status:

Flight ID	Airline	Number Of Seats	Source	Desintation	Departure Date	Arrival Date	Price
1	Air France	178	VZG	HYD	2021-10-05	2021-10-06	500.0

THANK YOU