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04/23/22

Caltech CTME PGP: Full Stack Web Dev

Assessment #2: Flight Booking Portal / FlyAway / Specifications

GitHub:<https://github.com/bgaskins/flyaway>

The FlyAway booking portal was completed in two sprints during one week.

Sprint One:

- Plan flow of application
- Create databases in MySql
- Test databases for functionality

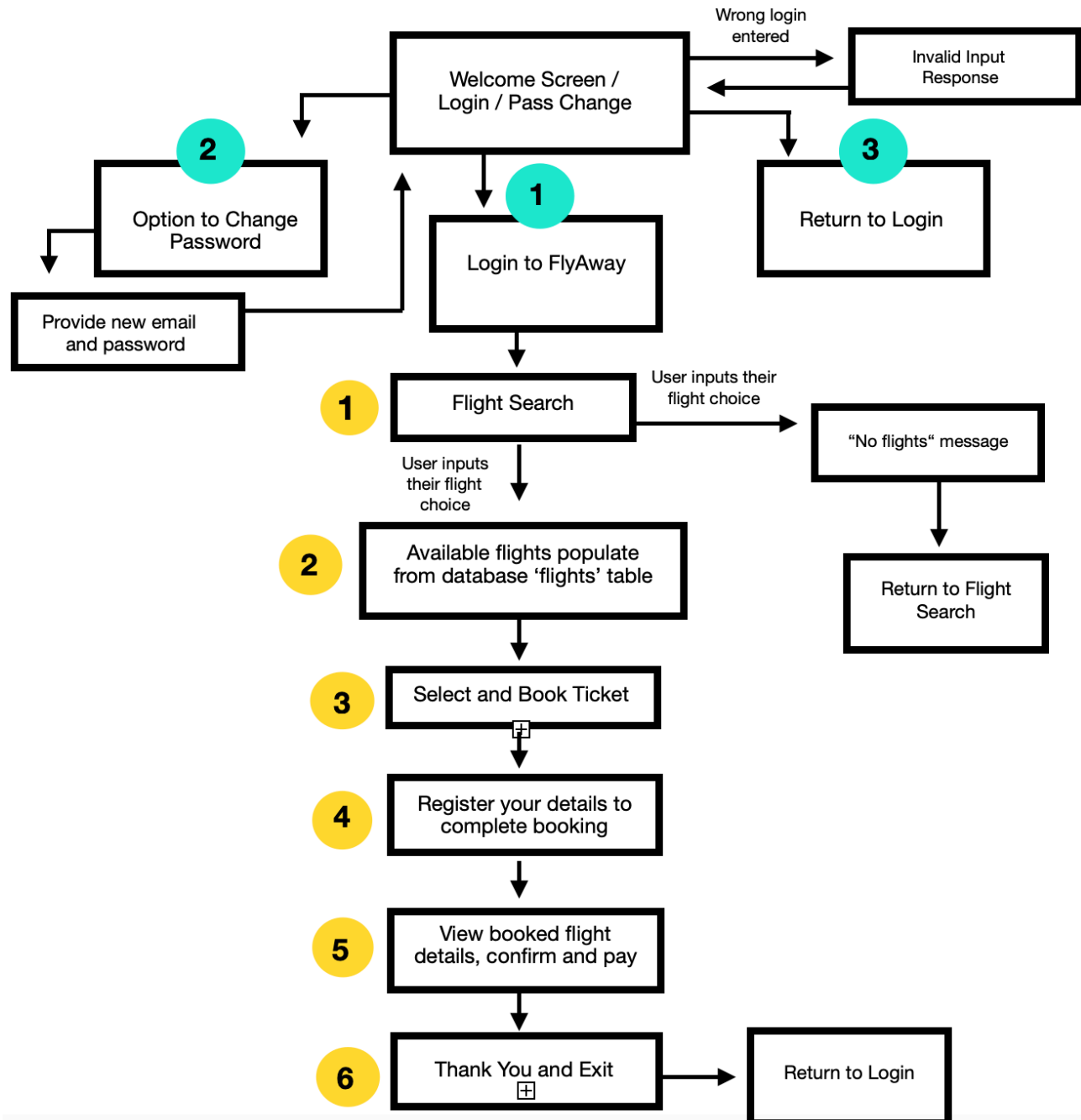
Sprint Two:

- Create Maven web app project
- Build servlets and JSP pages needed for each function
- Add functionality to logins, searches, registrations, databases and errors
- Test code to ensure functionality and SQL database connections
- Fix any and all bugs
- Write final specification doc
- Push to GitHub

Core Concepts used: Maven, MySql, JDBC, Java, HTML, JSP, Data Structures, Exception Handling, Scrum

Also included in this document: Flow chart, screenshots, selling points and conclusion

FLOW CHART



SCREENSHOTS

Welcome to FlyAway

Login to your account:

User Email:	<input type="text" value="Enter Email Address"/>
Password:	<input type="password" value="Enter Password"/>
<input type="button" value="Login"/>	
Change Password	

Developed by: Bryan Gaskins

v1.0 | 04.23.22

Caltech CTME Phase 2: FlyAway Flight Booking Portal

Login and Welcome Page.

- User provides their email and password
- There is also an option to change password.

FlyAway

Welcome Bryan

Departing From:	<input type="text"/>
Destination:	<input type="text"/>
Travel Date:	<input type="text"/>
Airline:	<input type="text"/>
<input type="button" value="Search"/> <input type="button" value="Reset"/>	

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Caltech CTME Phase 2: FlyAway Flight
Booking Portal

Flight Search page

- User is greeted by name and asked to provide search details for their flight

FlyAway

Available Flights

Airline	Departing From	Destination	Date	Time	Price
delta	boston	seattle	04/29/22	630PM	630

[Book Ticket](#)

Search Results page

- The user's search runs through the SQL database to produce matches and results

- User can then book that ticket of choice

FlyAway

No Flights

- If there are no flights in the admin controlled database, the user will be notified

There are no flights matching your criteria.

FlyAway

Your Seat is Reserved...

Registration for Booking

- User must register with their info before proceeding to payment

Register to Confirm Booking:

Email :

Password :

Name :

Phone No. :

Your ticket is booked! Confirm the details...

Your Flight

Airline: delta | **From:** boston **To:** seattle | **Date:** 04/29/22

Time: 630PM - **Price:** \$630

☐ Papal

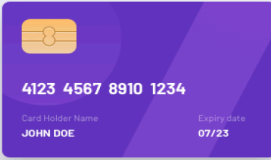
☒ **Credit Card**

Card Holder Name
John Doe

Card Number
4123 4567 8910 1234

Expiry date
07/23

CVV Code


4123 4567 8910 1234
Card Holder Name: JOHN DOE
Expiry date: 07/23

Confirm Email and Check Out:

Email Address

Confirm and Pay

FlyAway

Get New Password

Email :

New Password :

submit Reset

Confirmation and Payment

-User sees their flight information and payment options

-To continue, user must reenter their login email and select 'Confirm and Pay'

Change Password

- Users can change password from login page after exit of app or at the start

USP's

- The FlyAway flight booking portal has an easy to use interface for every day users and their flight booking needs
- Users can enter any flight details into the application and any available flights within the admin-controlled database of flights will populate and provide easy booking options
- The application was built to handle user errors after exceptions by directing users to the login page if not logged on, or the flight search page if user has logged on. Users will remain logged onto the app unless they choose to exit
- Users can change their passwords at any time
- Users get a clear summary of their flight and payment information at time of payment

Conclusions

What's next?

The FlyAway application is currently ready for use in its most basic form. There are some improvements that can be made for the FlyAway Application 2.0.

- Creating a more appealing and user-friendly design with CSS, etc.
- Allowing users to delete a flight and choose another
- Allowing users to add amenities to their flight; like meal plans, baggage and WiFi
- Adding more admin functionality

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