

FlyAway

Introduction

Project Description

FlyAway is a ticket-booking portal that lets people book flights on their website.

- A search form in the homepage to allow entry of travel details, like the date of travel, source, destination, and the number of persons.
- Based on the travel details entered, it will show the available flights with their ticket prices.
- Once a person selects a flight to book, they will be taken to a register page where they must fill in their personal details. In the next page, they are shown the flight details of the flight that they are booking, and the payment is done via a dummy payment gateway. On completion of the payment, they are shown a confirmation page with the details of the booking.

Technology Stack Diagram

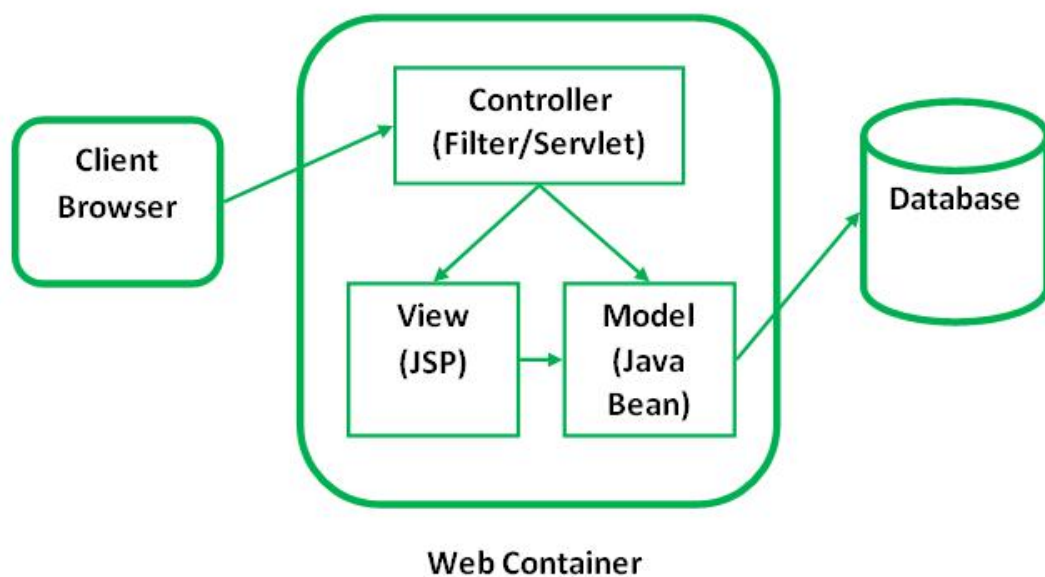


Fig. 1.2 Technology Stack Diagram

Architecture

User Flow

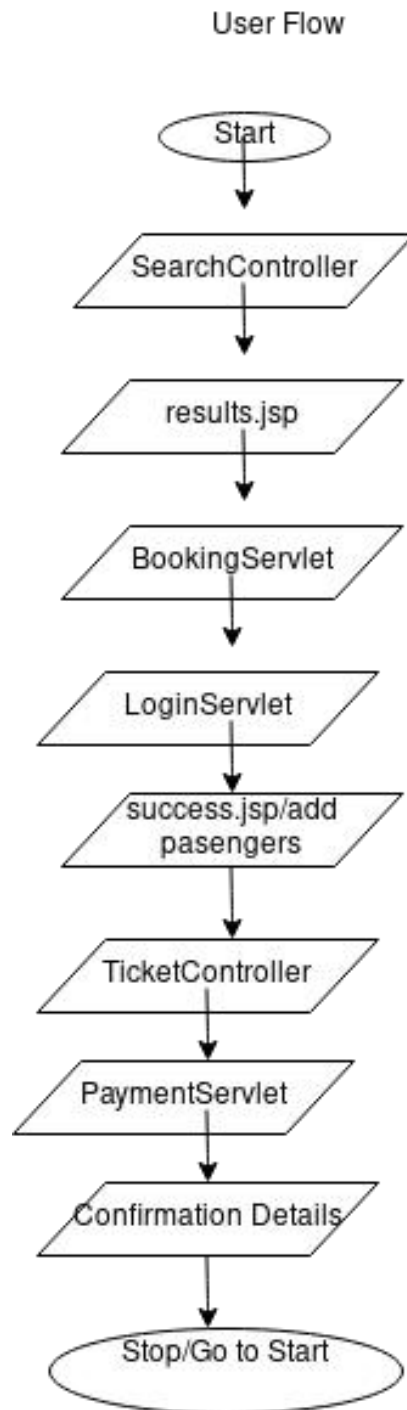


Fig 1.3 User Flow Diagram

Agile and Scrum

Sprint 1

- Task 1 - Develop high level design project using project requirements.
- Task 2 - Develop low level design using project specifications.
- Task 3 - Develop the flow chart that depicts the flow and features

Sprint 2

- Task 1 - Create database tables as per database design
- Task 2 - Develop presentation layer, controllers.
- Task 3 - Develop the code to implement the classes(Part 1)

Sprint 3

- Task 1 - Develop the code to implement the classes(Part 2)
- Task 2 - Complete UAT testing.

How to run the project?

Pre requisites:

1. Maven should be installed.
2. Git should be installed.
3. Java 1.8 is required.
4. Tomcat 9 to be installed

Steps to run:

1. Change to filesystem/ folder where you want to download the github repo
example: `cd your-folder`
2. Initialize git using below command,
`git init`
3. Clone the repo from github to your local using below command,
`git clone https://github.com/AshwinRanganath/FlyAwayPortal.git`
4. Change directory to FlyAwayPortal from the current working directory.
`cd FlyAwayPortal`
5. Run maven package for generating the jar.

```
mvn clean  
mvn install
```

6. The build should be a success. If the build is failing(reach out to me with the error and steps taken)

7. Change directory to target folder from the current working directory.
cd target

8. Run ls command to check if the output war exists. If it does not exist then reach out to me with the error and steps taken.
The jar Flywaway-0.0.1-SNAPSHOT.war will show up in target folder.

9. Deploy this war file in your webserver.

10. Follow the features of the application to navigate the application.

Note: The above steps will not work cause you need to create your own instance of mysql and create the required data.