

**COEN 6312****Model Driven Software Engineering****Project Deliverable 5****Code Generation****Course Instructor**

Dr. Wahab Hamou-Lhadj

Team: Techno_Stars**Project Title: Airline Reservation System****Submitted by**

Sravan Kumar Thumati	40070088
Prashanth reddy Somireddy	40047831
Nayana Raj Cheluvaraju	40071318
Sri Akhil Varma Alluri	40082333
Santosh Reddy Chelluri	40041074

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1. Class Diagram:

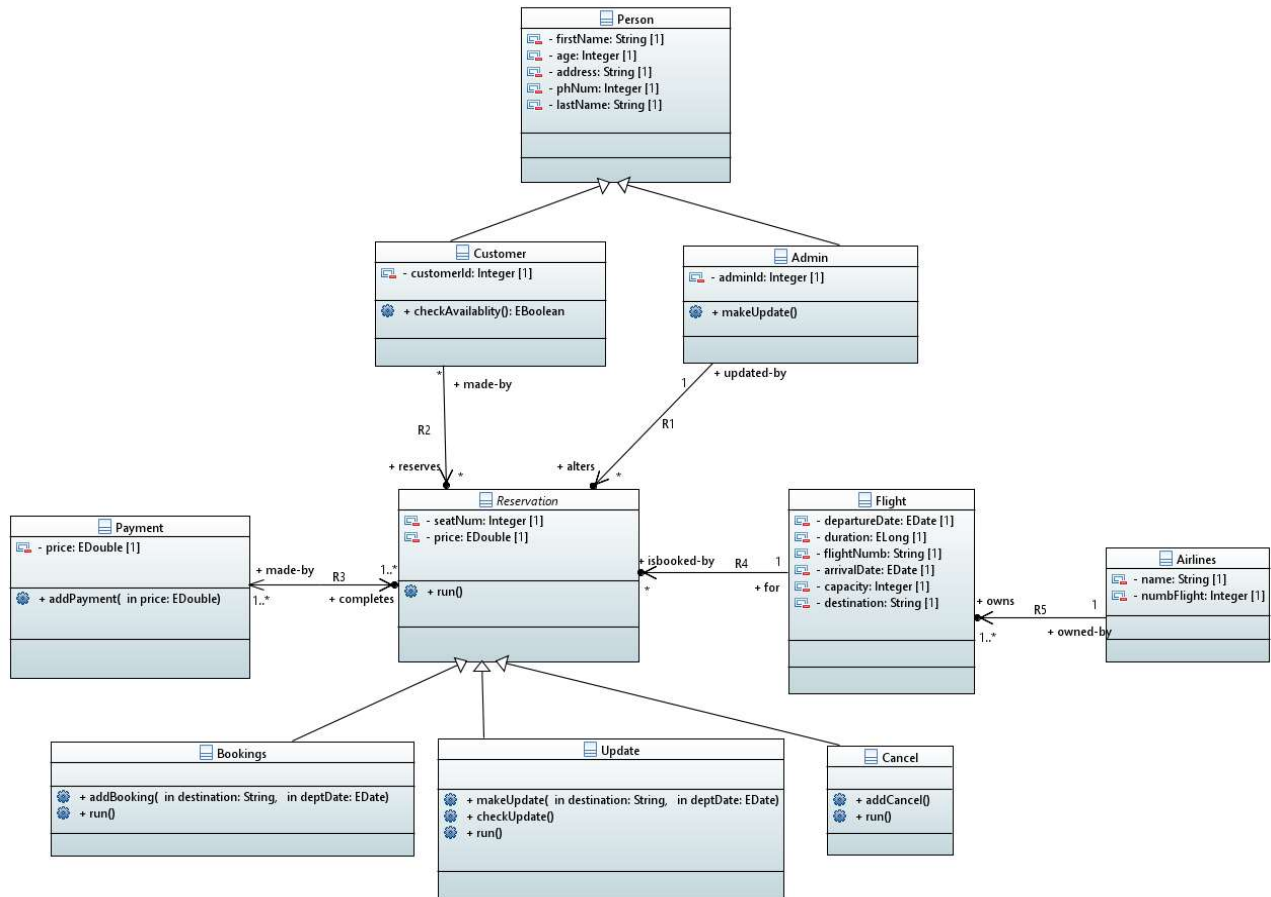
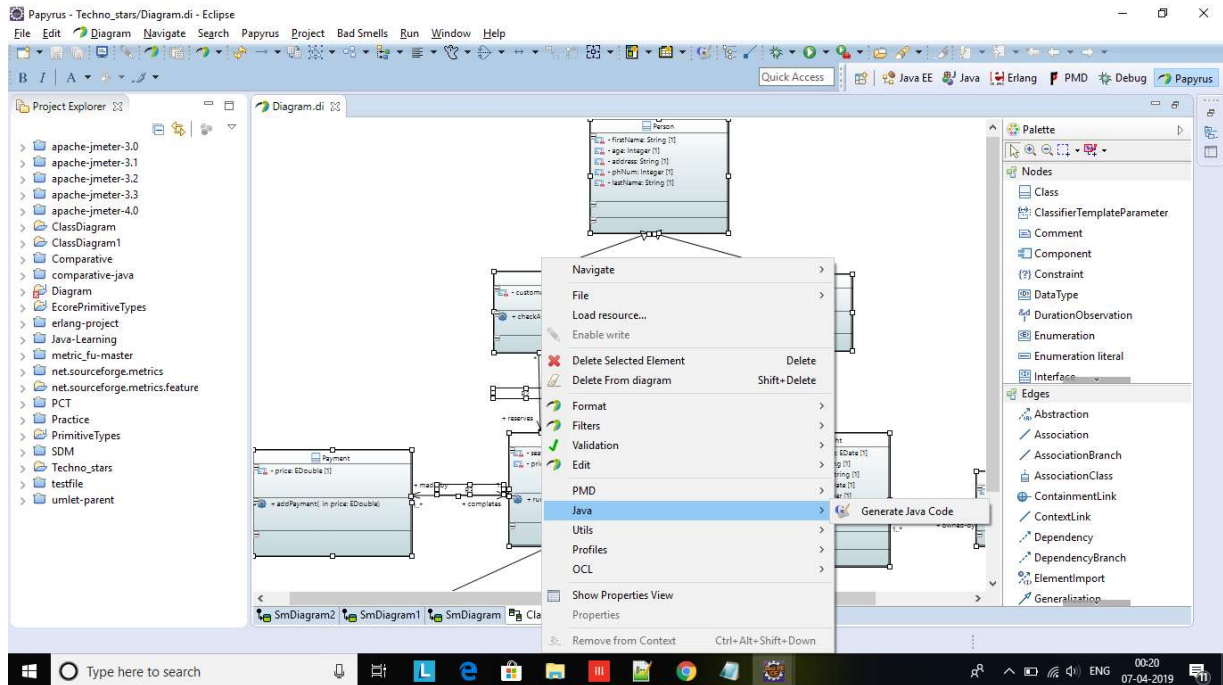


Fig:Class Diagram for Airline Reservation

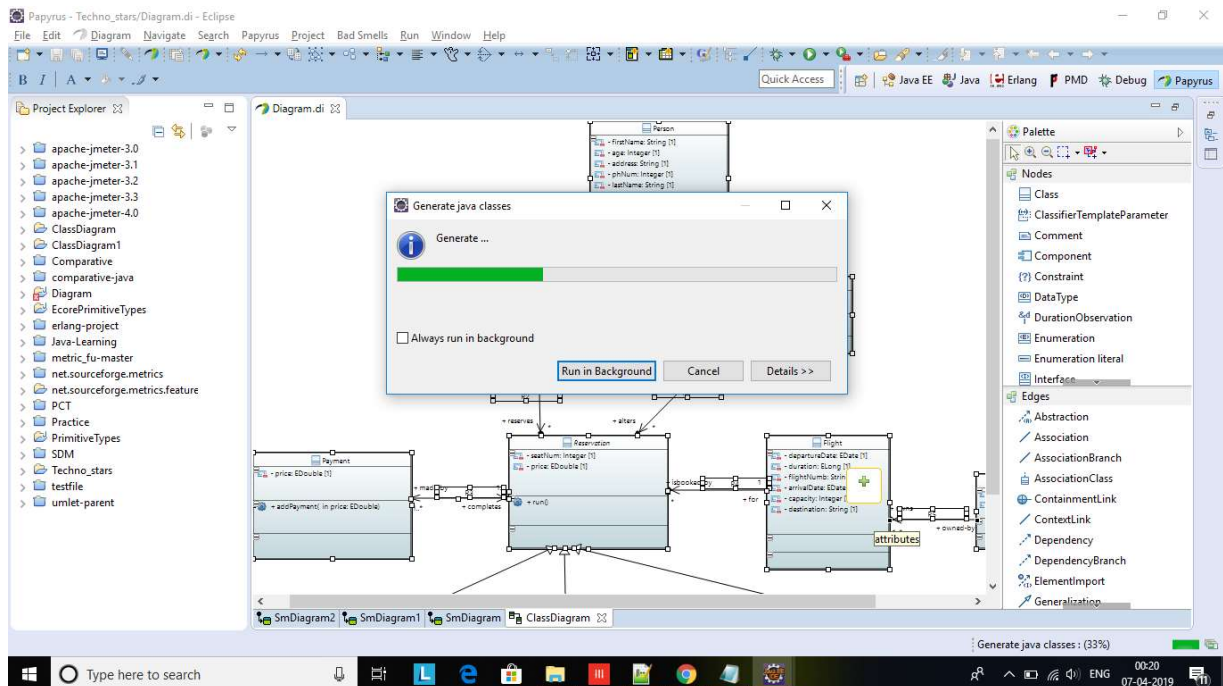
2. Steps followed for generating code:

1. Open eclipse, where class diagram was created(using papyrus).
2. Once eclipse is launched open the class diagram, select the complete class diagram(ctrl+A).

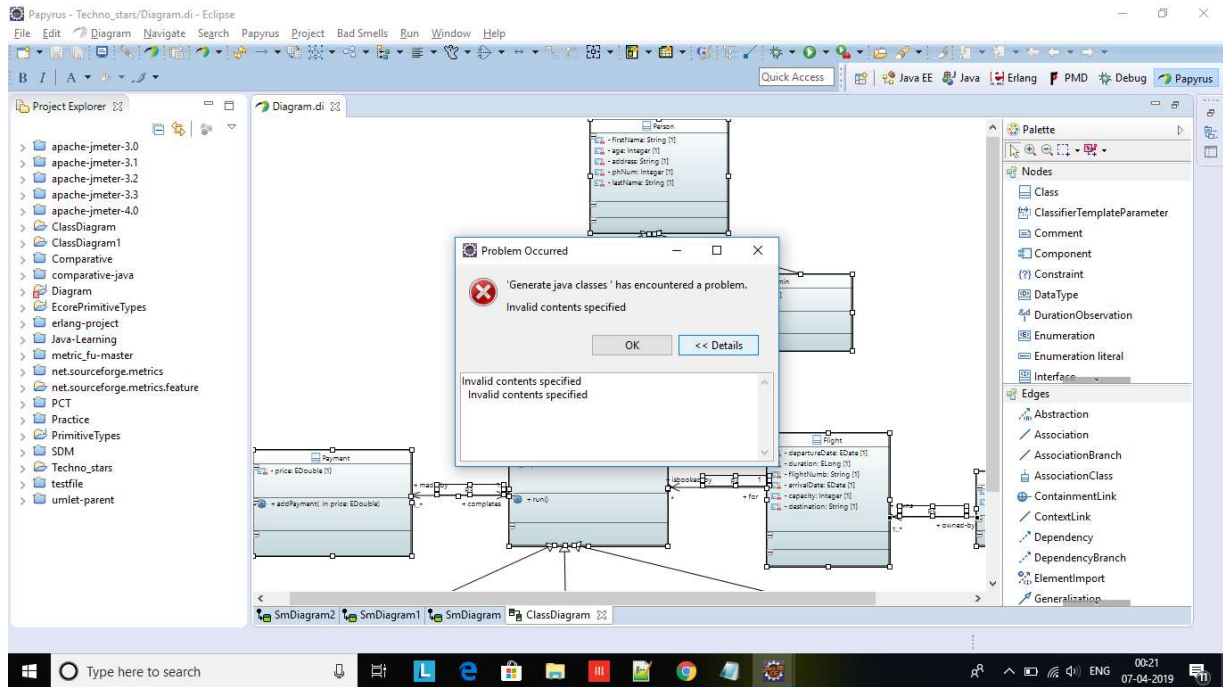
3. Right click on the diagram .



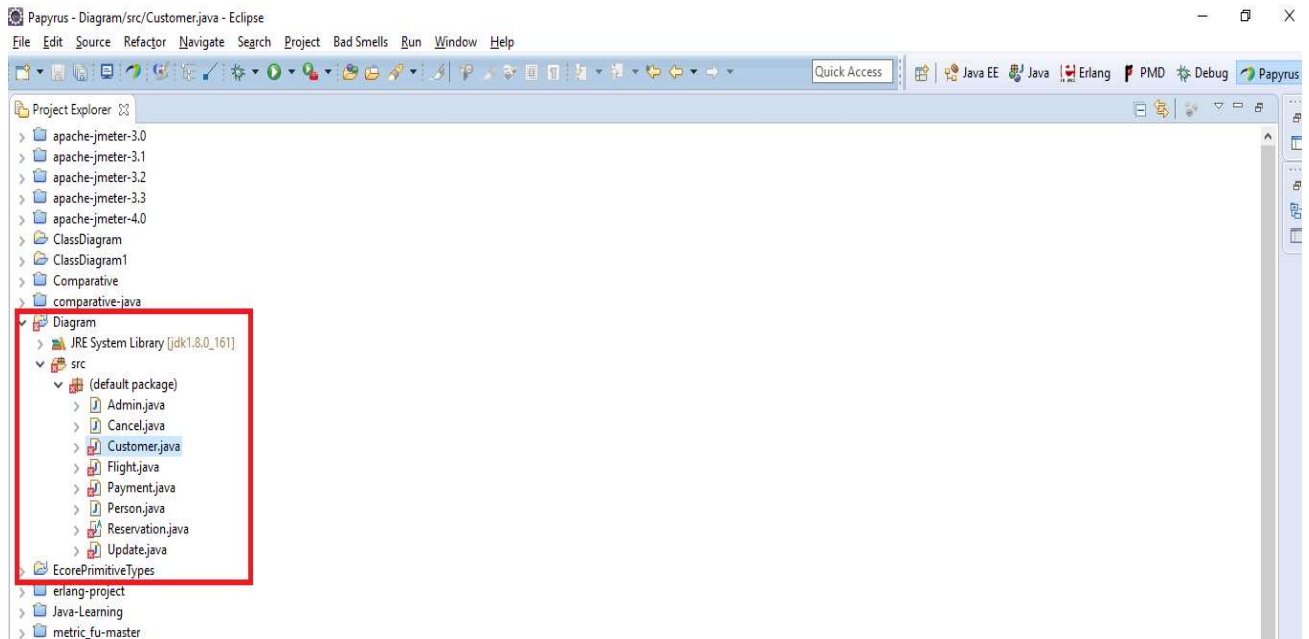
4. Click on generate java code.



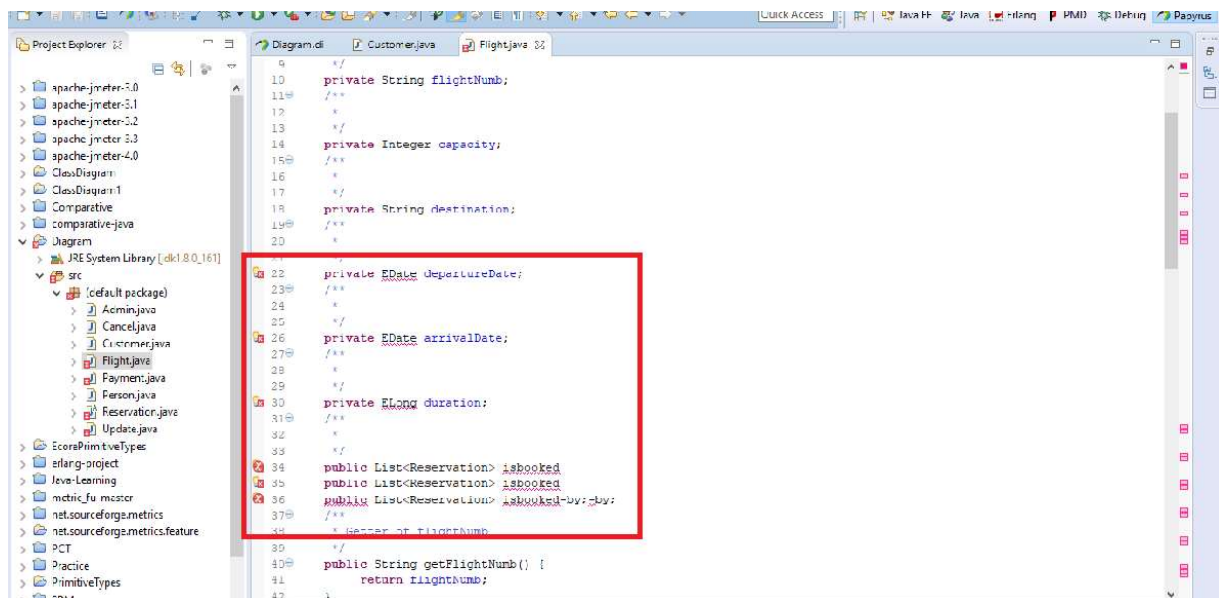
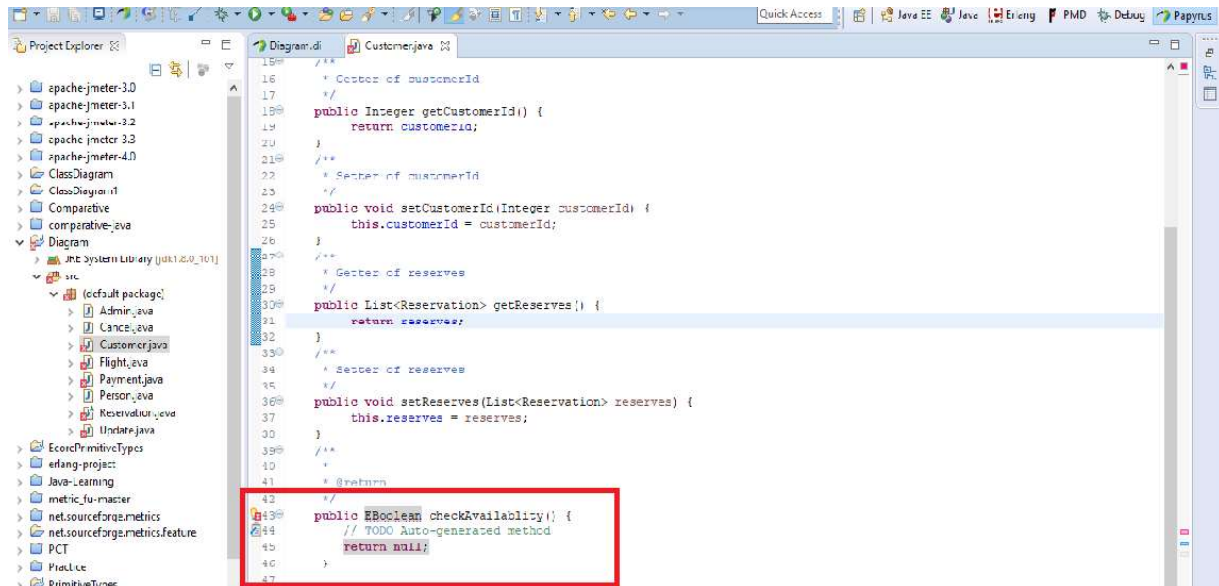
5. It encountered error.



6. Code generated.



7. Open file to see errors.



8. Errors was due to

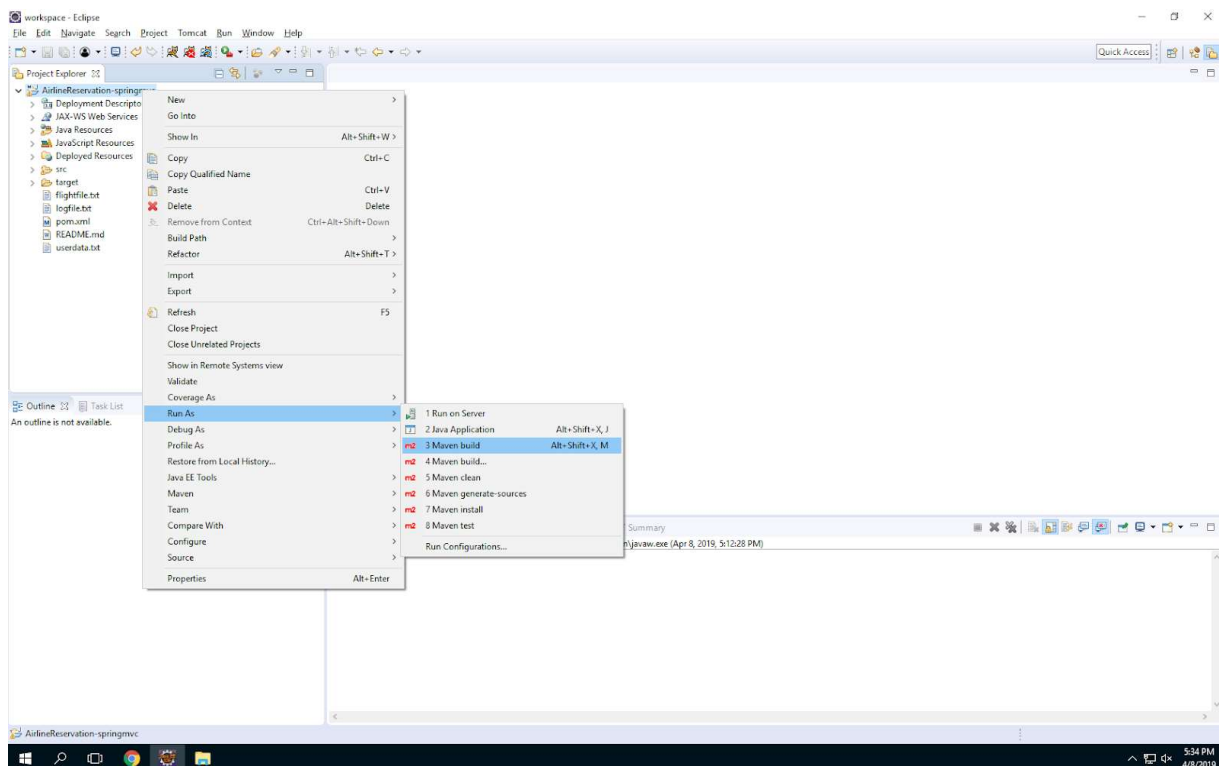
- Unsupported type EBoolean, Elong, EDate etc.
- Instead of using same list tool created multiple list.
- Association are not identified correctly.

Errors was eliminated by manually correcting each file.

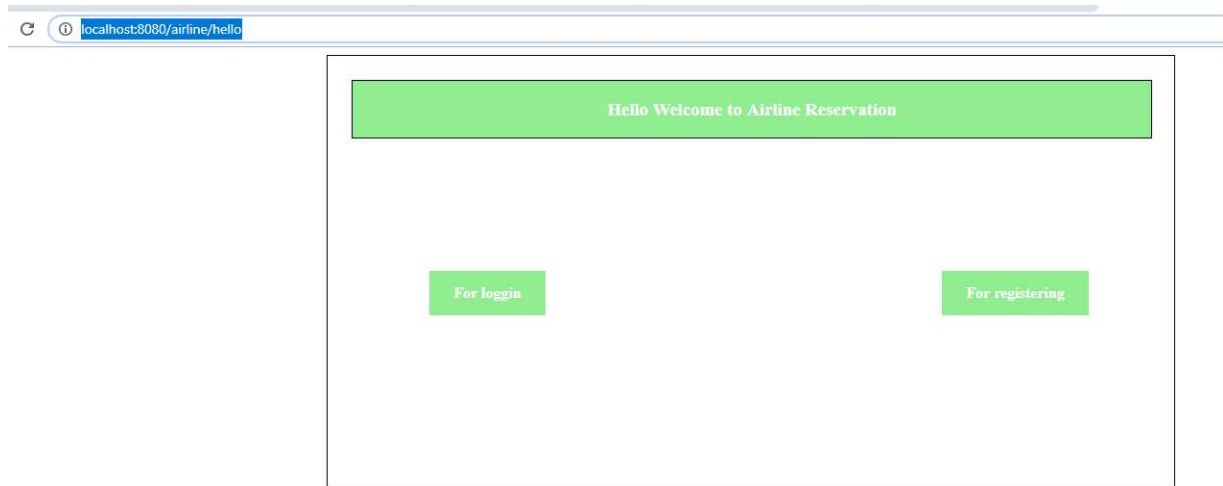
From this we came to conclusion that from UML language to general purpose language there is not 100% compatibility.

3. Steps to run Application:

1. As we have created Maven code, run the code as ‘maven build’ by adding tomcat7:run in the project goal of build configuration.



2. Open “<http://localhost:8080/airline/hello>” in web browser to use the working web application.



3. If the user is already registered, we can log in to the profile by clicking on ‘**For logging**’.



4. If the user is new, he/she can get registered by clicking on '**For registering**'.



localhost:8080/airline/register

Enter the details for Registering the customer

First Name :

Last Name :

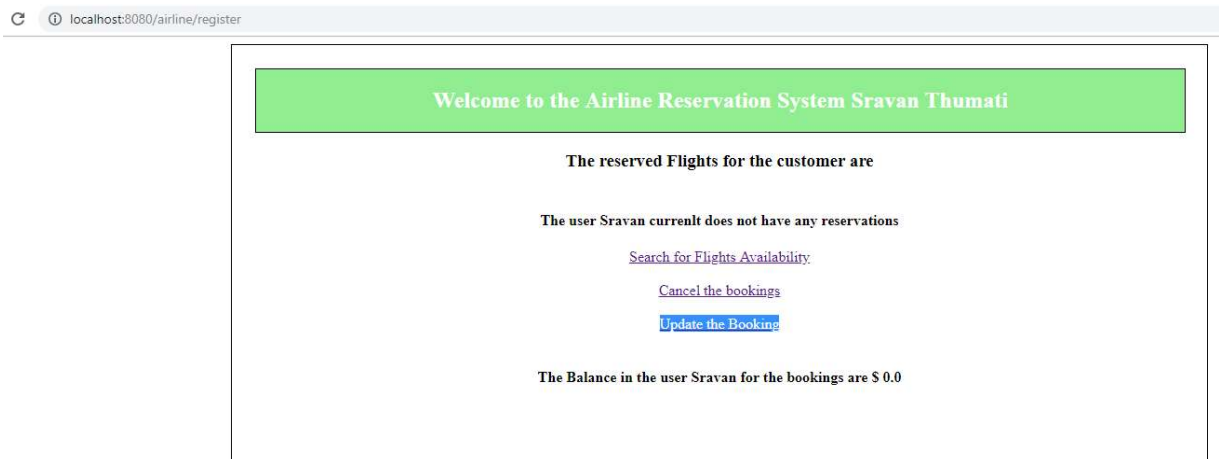
Address :

Phone Number :

Choose User Name :

Password :

5. Once the Users logged in, they are provided the option to
- Search for Flights Availability
 - Cancel the bookings
 - Update the Booking



localhost:8080/airline/register

Welcome to the Airline Reservation System Sravan Thumati

The reserved Flights for the customer are

The user Sravan currentlt does not have any reservations

[Search for Flights Availability](#)

[Cancel the bookings](#)

[Update the Booking](#)

The Balance in the user Sravan for the bookings are \$ 0.0

6. Users can search the available flights and able to add booking by clicking on 'Search for flights Availability'.

localhost:8080/airline/searchResults

Select the destination place to find the available flights

Chicago

submit

localhost:8080/airline/searchResults

All the Available Flights for the CHICAGO are follows

<input type="checkbox"/>	The flight Number is BA104 the destination CHICAGO and the duration is 6 Hours Its departure date 14-03-2019 \$576.9
<input type="checkbox"/>	The flight Number is BA109 the destination CHICAGO and the duration is 8 Hours Its departure date 19-03-2019 \$897.76

submit

7. Once the flight is selected the payment details will be updates and booking is added to customer.

localhost:8080/airline/booking

Welcome to the Airline Reservation System Sravan Thumati

The reserved Flights for the customer are

The flight Number is BA104 the destination CHICAGO and the duration is 6 Hours Its departure date 14-03-2019 \$576.9
--

[Search for Flights Availability](#)
[Cancel the bookings](#)
[Update the Booking](#)

The Balance in the user Sravan for the bookings are \$ 576.9

8. User can select ‘**Cancel the Booking**’ or ‘**Update the Booking**’ only if they have at least one booking added to them. There are cancellation or updation charges applied and replicated in payment module.

Cancel Booking:

localhost:8080/airline/cancelBooking

Select the following bookings to cancel which you have booked

<input type="checkbox"/>	The flight Number is BA104 the destination CHICAGO and the duration is 6 Hours Its departure date 14-03-2019 \$576.9
<input checked="" type="checkbox"/>	The flight Number is BA104 the destination CHICAGO and the duration is 6 Hours Its departure date 14-03-2019 \$576.9

submit

localhost:8080/airline/cancelBooking

Welcome to the Airline Reservation System

The reserved Flights for the customer are

The flight Number is BA104 the destination CHICAGO and the duration is 6 Hours Its departure date 14-03-2019 \$576.9
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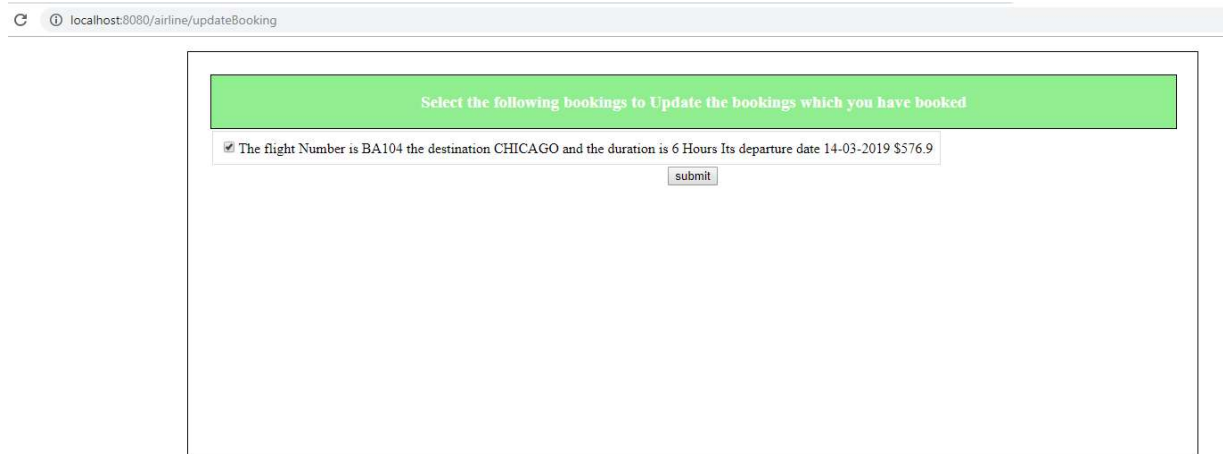
[Search for Flights Availability](#)

[Cancel the bookings](#)

[Update the Booking](#)

The Balance in the user for the bookings are \$ 865.3499999999999

Update Booking:



localhost:8080/airline/updateBooking

Select the following bookings to Update the bookings which you have booked

☒ The flight Number is BA104 the destination CHICAGO and the duration is 6 Hours Its departure date 14-03-2019 \$576.9

submit

Once User click on submit he will redirected to page where he can select the destination and flight again.



localhost:8080/airline/updateBooking

Select the destination place to find the available flights

India

submit