Flight Reservation: *FlyAway*

1.) Search form (From, To, Date, Type)

2.) Display them an error page. // If the From, To, data is incorrect

3.) List of Flights - Success Result.

4.) Allow the user to select the flight and enter the passenger details.

5.) Preview page - Shows the flights selected, passenger details - confirm.

6.) Save all the details to the database and generate a ticket.

7.) Display the Ticket Booking Successful page with the Unique
   Ticket Number, passenger details, flight details etc.

DB Tables –

   Flight (From, to, Date, time, Flight Number(ID), seats, Type)
   Passenger (First name, last name, age, gender,
   Flight Number)

Content by: Geoffrey Duncan Opiyo

Flight Reservation: *FlyAway (MVC Design Pattern)*

1 Create a Maven Project

2 Add dependencies

3 MySQL database creation

4 Create JPA Entities – mapping

5 Create FlightDao.java & HibernateUtil

6 Create FlightServlet.java

7 Create Flight Search JSP page

8 Display an error page for wrong (From, To)

8 Create Flight Listing JSP page
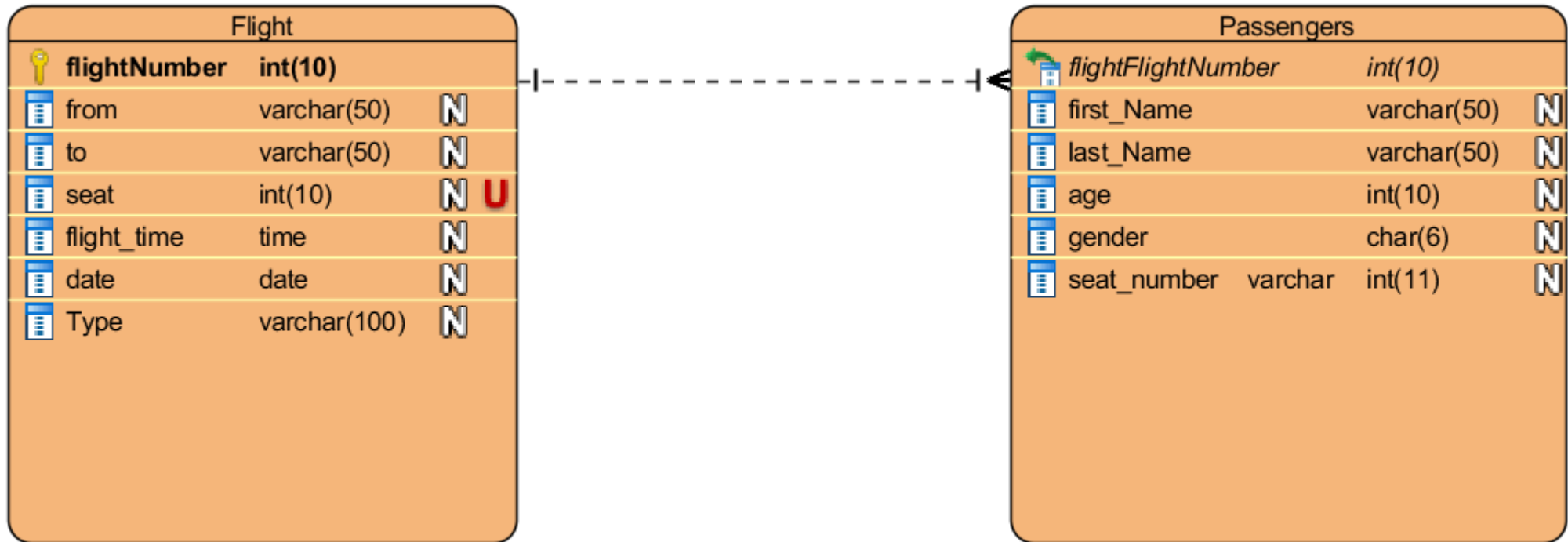
9 Preview JSP page (Flight selected)

10 Submit to DB and Generate ticket

11 Display ticket booking JSP page

Content by: Geoffrey Duncan Opiyo

Flight Reservation: *FlyAway (MVC Design Pattern)*

ER-Diagram

Flight		
🔑 **flightNumber**	**int(10)**	
📄 from	varchar(50)	N
📄 to	varchar(50)	N
📄 seat	int(10)	N U
📄 flight_time	time	N
📄 date	date	N
📄 Type	varchar(100)	N

Passengers		
📄 *flightFlightNumber*	*int(10)*	
📄 first_Name	varchar(50)	N
📄 last_Name	varchar(50)	N
📄 age	int(10)	N
📄 gender	char(6)	N
📄 seat_number varchar	int(11)	N

FlyAway

Geoffrey Duncan Opiyo