**FlyAway (An Airline Booking Portal)**

**Algorithm**

1. create util package for connection with database.
2. Create database flyaway
3. Create dto package for User, Flight, and Passenger class
4. Create table users, flights, passengers in database
5. Create dao package.
6. Create interface UserDao, FlightDao, and PassengerDao
7. Implements interface by classes UserDaoImpl,FlightDaoImpl, and PasssengerDaoImpl.
8. Create controller package which will use servlet. All respection html and jsp actions.
9. Create a html file which will display “welcome to FlyAway” massage, login inputs, links for registration and forget password. Give action respective actions and methods.
10. Registration page will display inputs for user login detail like username, password and firstname, lastname. And submit button after clicking on submit button it will redirect to registration success html page. Or on registration failure html page.
11. In registration success page it will show link for login and in registration failure page it will show massage “registration failed”.
12. After login, flight search page will open it will ask for source destination and journey start date. After filling all the details click on search button.
13. After clicking on search button, the respecting flight list will display. list will give info about flight\_no, source, destination, start date, end date, departure time, arrival time, no of person, and ticket price and one hyperlink of book flight.
14. After clicking on book flight the passenger registration page will open, it will take input for fullname, date of birth, email, phone no., address and one submit button.
15. Create table for payment gateway like, cardtype, customer, credit, hdfc, sbi, canara, transactions, gift\_card etc in database. Use them in dummy payment gateway.
16. After clicking on submit in passenger detail page. the payment link page will open and ask for method of payment like, credit card, debit card, netbanking, and gift card.
17. If passenger select credit card he/she will be redirected to credit card detail page. In this page the passenger can fill card no. card expiry date, card holder name and cvv. After this he/she will redirect to submit pin page. After submitting pin, the confirmation page will display.
18. If passenger select debit card he/she will be redirected to debit card detail page. In this page the passenger can fill card no. card expiry date, card holder name and cvv. After this he/she will redirect to submit pin page. After submitting pin, the confirmation page will display.
19. If user select netbanking option he/she will redirect to choose bank page. in which he/she can choose HDFC, SBI or Canara.then the next page will be login page to respective bank there user can enter his/her username and password and do login, to the next page which is pay now page it will redirect to confirmation page.
20. Confirmation page will display payment successful massage passenger detail, seat allotment detail and flight detail.