**AIRLINE RESERVATION SYSTEM**

LOGIN.JAVA:

package com.org.in;

import javax.persistence.Entity;

import javax.persistence.Id;

@Entity

public class Login {

@Id

private String username;

private String password;

public Login() {

super();

}

public void setUsername(String username) {

this.username = username;

}

public void setPassword(String password) {

this.password = password;

}

public String getUsername() {

return username;

}

public String getPassword() {

return password;

}

@Override

public String toString() {

return "login [username=" + username + ", password=" + password + "]";

}

}

SIGNUP.JAVA:

package com.org.in;

import javax.persistence.Entity;

import javax.persistence.Id;

@Entity

public class Signup {

@Id

public String emailId;

public String password;

public String phoneno;

public Signup() {

super();

}

public String getEmailId() {

return emailId;

}

public String getPassword() {

return password;

}

public String getPhoneno() {

return phoneno;

}

public void setEmailId(String emailId) {

this.emailId = emailId;

}

public void setPassword(String password) {

this.password = password;

}

public void setPhoneno(String phoneno) {

this.phoneno=phoneno;

}

@Override

public String toString() {

return "Signup [emailId=" + emailId + ", password=" + password + ", phoneno=" + phoneno + "]";

}

}

RESERVATION.JAVA

**package** com.org.in;

**import** javax.persistence.Entity;

**import** javax.persistence.Id;

@Entity

**public** **class** Reservation {

@Id

**public** Integer no\_of\_passenger;

**public** Reservation() {

**super**();

}

**public** Integer getNo\_of\_passenger() {

**return** no\_of\_passenger;

}

**public** **void** setNo\_of\_passenger(Integer no\_of\_passenger) {

**this**.no\_of\_passenger = no\_of\_passenger;

}

@Override

**public** String toString() {

**return** "Reservation [no\_of\_passenger=" + no\_of\_passenger + "]";

}

}

ONETRIP.JAVA:

**package** com.org.in;

**import** javax.persistence.Entity;

**import** javax.persistence.Id;

@Entity

**public** **class** Oneway **extends** Reservation{

@Id

**private** String name;

**private** String aadharno;

**private** String phno;

**private** String destination;

**private** String source;

**private** String depature;

**public** Oneway() {

**super**();

}

**public** String getName() {

**return** name;

}

**public** String getAadharno() {

**return** aadharno;

}

**public** String getPhno() {

**return** phno;

}

**public** String getDestination() {

**return** destination;

}

**public** String getSource() {

**return** source;

}

**public** String getDepature() {

**return** depature;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **void** setAadharno(String aadharno) {

**this**.aadharno = aadharno;

}

**public** **void** setPhno(String phno) {

**this**.phno = phno;

}

**public** **void** setDestination(String destination) {

**this**.destination = destination;

}

**public** **void** setSource(String source) {

**this**.source = source;

}

**public** **void** setDepature(String depature) {

**this**.depature = depature;

}

**public** Oneway(String name,String aadharno, String phno, String destination, String source, String depature) {

**super**();

**this**.name = name;

**this**.aadharno = aadharno;

**this**.phno = phno;

**this**.destination = destination;

**this**.source = source;

**this**.depature = depature;

}

}

MULTITRIP.JAVA:

**package** com.org.in;

**import** javax.persistence.Entity;

**import** javax.persistence.Id;

@Entity

**public** **class** Multitrip **extends** Reservation {

@Id

**private** String name;

**private** String aadharno;

**private** String phno;

**private** String destination;

**private** String source;

**private** Integer number;

**public** Multitrip() {

**super**();

}

**public** String getName() {

**return** name;

}

**public** String getAadharno() {

**return** aadharno;

}

**public** String getPhno() {

**return** phno;

}

**public** String getDestination() {

**return** destination;

}

**public** String getSource() {

**return** source;

}

**public** Integer getNumber() {

**return** number;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **void** setAadharno(String aadharno) {

**this**.aadharno = aadharno;

}

**public** **void** setPhno(String phno) {

**this**.phno = phno;

}

**public** **void** setDestination(String destination) {

**this**.destination = destination;

}

**public** **void** setSource(String source) {

**this**.source = source;

}

**public** **void** setNumber(Integer number) {

**this**.number = number;

}

**public** Multitrip(String name, String aadharno, String phno, String destination, String source, Integer number) {

**super**();

**this**.name = name;

**this**.aadharno = aadharno;

**this**.phno = phno;

**this**.destination = destination;

**this**.source = source;

**this**.number = number;

}

}

ROUNDTRIP.JAVA:

**package** com.org.in;

**import** javax.persistence.Entity;

**import** javax.persistence.Id;

@Entity

**public** **class** Roundtrip **extends** Reservation{

@Id

**private** String name;

**private** String aadharno;

**private** String phno;

**private** String destination;

**private** String source;

**private** String returnon;

**public** Roundtrip() {

**super**();

}

**public** String getName() {

**return** name;

}

**public** String getAadharno() {

**return** aadharno;

}

**public** String getPhno() {

**return** phno;

}

**public** String getDestination() {

**return** destination;

}

**public** String getSource() {

**return** source;

}

**public** String getReturnon() {

**return** returnon;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **void** setAadharno(String aadharno) {

**this**.aadharno = aadharno;

}

**public** **void** setPhno(String phno) {

**this**.phno = phno;

}

**public** **void** setDestination(String destination) {

**this**.destination = destination;

}

**public** **void** setSource(String source) {

**this**.source = source;

}

**public** **void** setReturnon(String returnon) {

**this**.returnon = returnon;

}

**public** Roundtrip(String name, String aadharno, String phno, String destination, String source, String returnon) {

**super**();

**this**.name = name;

**this**.aadharno = aadharno;

**this**.phno = phno;

**this**.destination = destination;

**this**.source = source;

**this**.returnon = returnon;

}

}

CANCELLATION.JAVA:

**package** com.org.in;

**import** javax.persistence.Entity;

**import** javax.persistence.Id;

@Entity

**public** **class** Cancellation {

@Id

**private** Integer seatno;

**private** Double amount;

**private** String daysleft;

**private** Integer no\_of\_passengers;

**public** Cancellation() {

**super**();

}

**public** Cancellation(Integer seatno, Double amount, String daysleft, Integer no\_of\_passengers) {

**super**();

**this**.seatno = seatno;

**this**.amount = amount;

**this**.daysleft = daysleft;

**this**.no\_of\_passengers = no\_of\_passengers;

}

**public** Integer getSeatno() {

**return** seatno;

}

**public** Double getAmount() {

**return** amount;

}

**public** String getDaysleft() {

**return** daysleft;

}

**public** Integer getNo\_of\_passengers() {

**return** no\_of\_passengers;

}

**public** **void** setSeatno(Integer seatno) {

**this**.seatno = seatno;

}

**public** **void** setAmount(Double amount) {

**this**.amount = amount;

}

**public** **void** setDaysleft(String daysleft) {

**this**.daysleft = daysleft;

}

**public** **void** setNo\_of\_passengers(Integer no\_of\_passengers) {

**this**.no\_of\_passengers = no\_of\_passengers;

}

}

BOARDINGPASS.JAVA:

**package** com.org.in;

**import** javax.persistence.Entity;

**import** javax.persistence.Id;

@Entity

**public** **class** Boardingpass {

@Id

**private** String source;

**private** String destination;

**private** Integer no\_of\_passengers;

**public** Boardingpass() {

**super**();

}

**public** Boardingpass(String source, String destination, Integer no\_of\_passengers) {

**super**();

**this**.source = source;

**this**.destination = destination;

**this**.no\_of\_passengers = no\_of\_passengers;

}

**public** String getSource() {

**return** source;

}

**public** **void** setSource(String source) {

**this**.source = source;

}

**public** String getDestination() {

**return** destination;

}

**public** **void** setDestination(String destination) {

**this**.destination = destination;

}

**public** Integer getNo\_of\_passengers() {

**return** no\_of\_passengers;

}

**public** **void** setNo\_of\_passengers(Integer no\_of\_passengers) {

**this**.no\_of\_passengers = no\_of\_passengers;

}

}

QUERY:

drop table reservation;

drop table oneway;

drop table roundtrip;

drop table multitrip;

drop table cancellation;

drop table boardingpass;

create table reservation(

no\_of\_passenger integer,

constraint reservation\_no\_of\_passenger\_\_pk primary key(no\_of\_passengers)

);

create table oneway(

name varchar(20),

aadharno varchar(20),

phno varchar(20),

destination varchar(20),

source varchar(20),

departure varchar(20),

constraint oneway\_aadharno\_\_pk primary key(aadharno)

);

create table roundtrip(

name varchar(20),

aadharno varchar(20),

phno varchar(20),

destination varchar(20),

source varchar(20),

returnon varchar(20),

constraint roundtrip\_aadharno\_pk primary key(aadharno)

);

create table multitrip(

name varchar(20),

aadharno varchar(20),

phno varchar(20),

destination varchar(20),

source varchar(20),

number integer,

constraint multitrip\_aadharno\_\_pk primary key(aadhar no)

);

create table cancellation(

seatno integer,

amount float,

daysleft varchar(20),

no\_of\_passengers integer,

constraint cancellation\_no\_of\_passengers\_\_fk foreign key(no\_of\_passengers) references reservation(no\_of\_passengers)

);

create table boardingpass(

source varchar(20),

destination varchar(20),

no\_of\_passengers integer,

constraint boardingpass\_no\_of\_passengers\_\_fk foreign key(no\_of\_passengers) references reservation(no\_of\_passengers)

);

insert into reservation(4);

insert into oneway values('abinaya','4444 6666 8888 9999','123456789','coimbatore','chennai');

insert into oneway values('kalai surya','4444 6666 8888 7777','987654321','chennai','coimbatore');

insert into oneway values('anu','5555 6666 8888 9999','123459876','trichy','chennai');

insert into oneway values('manyu','7777 6666 8888 9999','543216789','coimbatore','trichy');

insert into roundtrip values('abinaya','4444 6666 8888 9999','123456789','coimbatore','chennai','24-12-2017');

insert into roundtrip values('kalai surya','4444 6666 8888 7777','987654321','chennai','coimbatore','12-12-2018');

insert into roundtrip values('anu','5555 6666 8888 9999','123459876','trichy','chennai','23-12-2017');

insert into roundtrip values('manyu','7777 6666 8888 9999','543216789','coimbatore','trichy','28-12-2017');

insert into multitrip values('abinaya','4444 6666 8888 9999','123456789','coimbatore','chennai',2);

insert into multitrip values('kalai surya','4444 6666 8888 7777','987654321','chennai','coimbatore',3);

insert into multitrip values('anu','5555 6666 8888 9999','123459876','trichy','chennai',4);

insert into multitrip values('manyu','7777 6666 8888 9999','543216789','coimbatore','trichy',5);

insert into cancellation values(123,25000.35,5,4);

insert into boardingpass values('coimbatore','chennai',4);