



IBM CAREER EDUCATION

MAIN PROJECT

DOMAIN NAME: JAVA

AIRLINE RESERVATION SYSTEM

Submitted By,

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Submitted To,

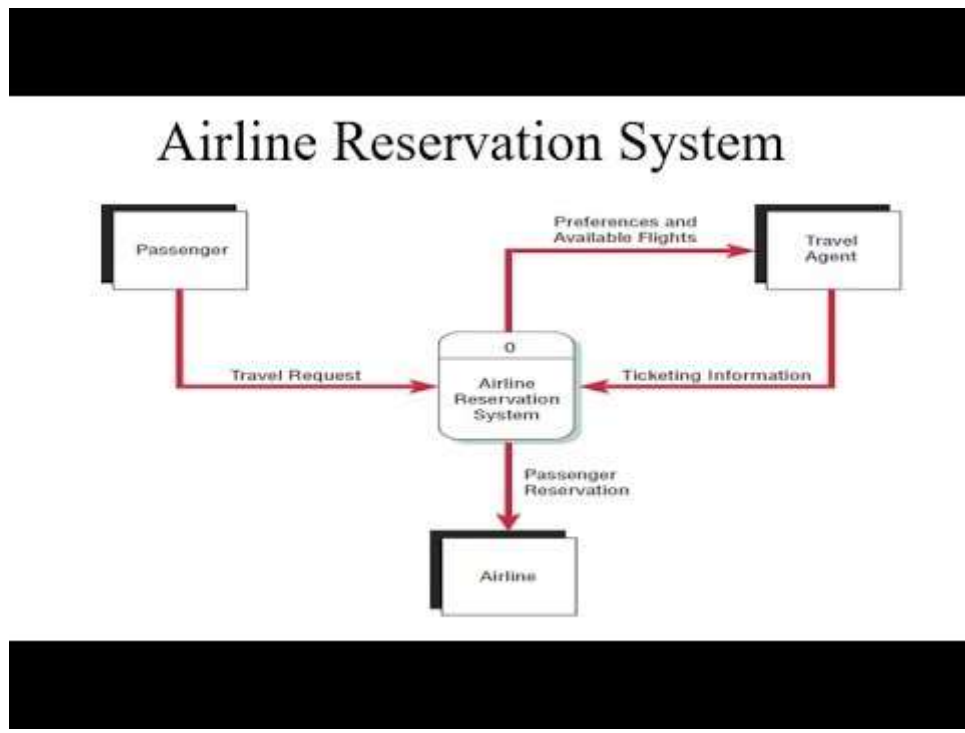
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AIRLINE RESERVATION SYSTEM

FLOW CHART



AIRLINE RESERVATION SYSTEM SOFTWARE SPECIFICATIONS

- ☐ OPERATING SYSTEM : Windows
- ☐ ENVIRONMENT : IBM RAD Software

HARDWARE SPECIFICATIONS

- ☐ PROCESSOR : INTEL(R)CORE™i3-7020U CPU @ 2.30GHz
- ☐ RAM : 8GB RAM
- ☐ MONITOR : 15" COLOR
- ☐ HARD DISK : 1 TB

AIRLINE RESERVATION SYSTEM

DESCRIPTION

INTRODUCTION:

Air travel has become less and less cheaper over the years, as a result the no: of passengers has increased considerably. Unlike a train or bus ticket where we have to stand in a queue besides a counter, air tickets are usually booked online. The proposed system is a web portal where the user can book their air travel tickets between two cities online on a particular date. There will be a provision for searching the flights for a travel destination on an input date, the search result will comprise of the full details such as flight no, flight name, cost, arrival and departure time etc. A cancellation option is also given in case user wishes to abandon his travel for various reasons.

PROS:-

- Easy to book tickets.
- Saves time and money.
- Provides every information about **flight**.
- 24/7 customer support through chat and calls.
- Mobile Availability.
- Send automated tickets to the customer by mail.
- Easy Refund Policies.
- Available for both Domestic and International **Airlines**.

CONS:-

WE DON'T HAVE A DATABASE .

AIRLINE RESERVATION SYSTEM

PICTURES





AIRLINE RESERVATION SYSTEM

AIM:- 1]HOME PAGE,FLIGHT DETAILS.

2]TICKET DETAILS, RESERVATION PAGE.

3]CANCELLATION PAGE, PNR STATUS.

PROGRAM:

[1]JAVA CODE:-

//done all work but remaining do while loops in password login

```
import java.util.*;
```

```
class airline{
```

```
String destination;
```

```
int f_no;
```

```
double c_time;
```

```
double g_time;
```

```
String name;
```

```
int price;

public void set_data(int price,double c_time,double
g_time,int f_no,String destination){//to give student
data

this.destination=destination;

this.f_no=f_no;

this.c_time=c_time;

this.g_time=g_time;

this.price=price;

}

public int airline_show(String f){//to check id and
password.

    if(destination.equals(f))

    {

System.out.println("Your Default Location Will Be
|AHMEDABAD|");

        System.out.println("\n\nFLIGHT NO.:-"+f_no);

        System.out.println("FLIGHT ARIVAL TIMING:-
"+c_time);

        System.out.println("FLIGHT DEPARTURE
TIMING:-"+g_time);

        System.out.println("FLIGHT DESTINATION:-
"+destination);
```

```
        System.out.println("FLIGHT PRICE:-"+price);  
        return 1;  
    }  
    return 0;  
}
```

public int airline_set(String f,String name){//to check id and password.

```
    if(destination.equals(f))  
    {  
        //System.out.println("Your Default Location Will Be |AHMEDABAD|");  
        System.out.println("\n\nFLIGHT NO:-"+f_no);  
        System.out.println("FLIGHT ARIVAL TIMING:-  
"+c_time);  
        System.out.println("FLIGHT DEPARTURE  
TIMING:-"+g_time);  
        System.out.println("FLIGHT DESTINATION:-  
"+destination);  
        System.out.println("FLIGHT PRICE:-"+price);  
        this.name=name;  
        return 1;  
    }  
}
```

```

    }
    return 0;
}

void airline_show_set()
{
//System.out.println("Your Default Location Will Be
|AHMEDABAD|");

    System.out.println("\n\nflight id is :"+f_no);
    System.out.println("FLIGHT ARIVAL TIMING:-
"+c_time);

    System.out.println("FLIGHT DEPARTURE
TIMING:-"+g_time);

    System.out.println("FLIGHT DESTINATION:-
"+destination);

    System.out.println("FLIGHT FARE IS:-"+price);
    System.out.println("PASSENGER NAME:-"+name);
}

public static void main(String args[])
{

```

```

Scanner sc=new Scanner(System.in);
airline sob[]=new airline[4];
sob[0]=new airline();
sob[1]=new airline();
sob[2]=new airline();
sob[3]=new airline();
int x=0,i=0,m=0,c=0;
//public void set_data(double c_time,double g_time,int
f_no,String destination)
    sob[0].set_data(1000,11.30,12.30,1001,"MUMBAI");
    sob[1].set_data(2000,13.40,15.0,1002,"jJAIPUR");
    sob[2].set_data(3000,18.00,20.00,1003,"DELHI");
    sob[3].set_data(4000,22.30,23.20,1004,"KERALA");
do{
System.out.println("                |WELCOME
TO AIRLINE MANAGEMENT SYSTEM|");
System.out.println("\nPLEASE ENTER 1 FOR
INPUTNG DESTINATION.");
System.out.println("ENTER 2 FOR
CONFORMATION OF TICKET.");
System.out.println("ENTER 3 EXIT.");
c=sc.nextInt();

```



```
if(c==1)
{
    System.out.println("FLIGHT DESTINATION: \n");
    String n=sc.next();
    for(i=0;i<=3;i++)
    {
        x=sob[i].airline_show(n);
        if(x==1)
            break;
        if(i==3 && x==0)
            System.out.println("Sorry this flight is not available");
    }
}
else if(c==2)
{
    System.out.println("FLIGHT
DESTINATION:\n");
    String n=sc.next();
    System.out.println("ENTER THE PASSENGER
NAME FOR CONFORMATION.");
    String name=sc.next();
```

```

for(i=0;i<=3;i++)
{
x=sob[i].airline_set(n,name);
if(x==1)
{
sob[i].airline_show_set();
break;
}
else if(i==3 && x==0)
System.out.println("sorry this flight is not available");

}

```

```

}
}while(c!=3);
}
}

```

[2]HTML/CSS CODE:-

```

<!doctype html>
<html>

```

```
<head>
<meta charset="utf-8">
<title>FLIGHT TICKET BOOKING FORM</title>
    <link rel="stylesheet" href="style.css">
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.
1/css/bootstrap.min.css"></head>
```

```
<body>
    <div class="booking-form--box">
        <div class="radio-btn">
            <input type="radio" class="btn"
name="check"
checked="checked"><span>RoundTrip</span>
            <input type="radio" class="btn"
name="check"><span>OneWay</span>
            <input type="radio" class="btn"
name="check"><span>Multi-City</span>
        </div>
        <div class="booking-form">
            <label>Flying From</label>
            <input type="text" class="form-control"
placeholder="city or airport">
```

```

<label>Flying to</label>
<input type="text" class="form-control"
placeholder="city or airport">
<div class="input-grp">
<label>departing</label>
<input type="date" class="form-control select-
date">
    <div class="input-grp">
<label>returning</label>
<input type="date" class="form-control select-
date">
    <div class="input-grp">
<label>Adults</label>
<input type="number" class="form-control"
value="1">
    <div class="input-grp">
<label>Childs</label>
<input type="number" class="form-control"
value="0">
    <div class="input-grp">
<label>Travel class</label>
    <select
class="custom-select">

```

```

                                <option
vlaue="1">Economy class</option>

                                <option
vlaue="2">Business class</option>

                                </select>

                                </div>

                                <div class ="input-grp"><button
type="button" class="btn btn-primary flight">show
flights</button></div>

                                </div>

</body>

</html>

```

CSS CODE:-

```

@charset "utf-8";

/* CSS Document */

body
{
    background-image: linear-
gradient(rgba(0,0,0,0.5),rgba(0,0,0,0.5)),url(flight.jpg);
    backgroung-size: cover;
    background-position:center;
    background-color: yellow;

```

```
    background-repeat: no-repeat;
    background-size: cover;
}
.booking-form--box
{
    max-width: 350px;
    border: 1px solid #ced4da;
    margin: 10% auto 0;
}
.radio-btn
{
    margin: 0 20px;
}
.radio-btn .btn
{
    margin: 20px 10px 20px 0;
    box-shadow: none;
}
.radio-btn .btn::after
{
    content: ";
```

```
height: 15px;
width: 15px;
top: -2px;
left: -1px;
background-color: #fff;
position: relative;
display: inline-block;
border: 3px solid #fff;
visibility: visible;
border-radius: 50%;
}

.radio-btn .btn:checked::after
{
    content: "";
    background-color: #000;
    transition: 0.5s;
}

.radio-btn span
{
    color: #fff;
    margin-right: 5px;
```

```
        font-size: 12px;
    }
.booking-form
{
    padding: 0 20px 20px;
}
.booking-form label
{
    margin-bottom: 5px;
    margin-top: 10px;
}
```

EXPLANATION FOR PROJECT:-

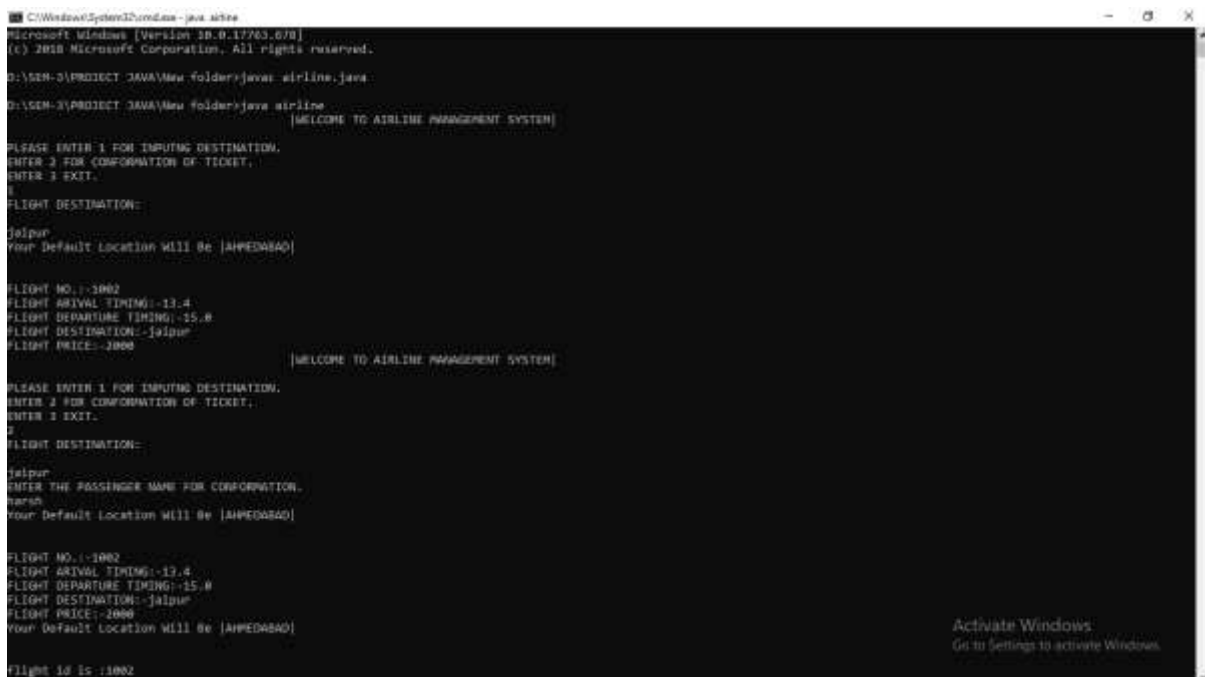
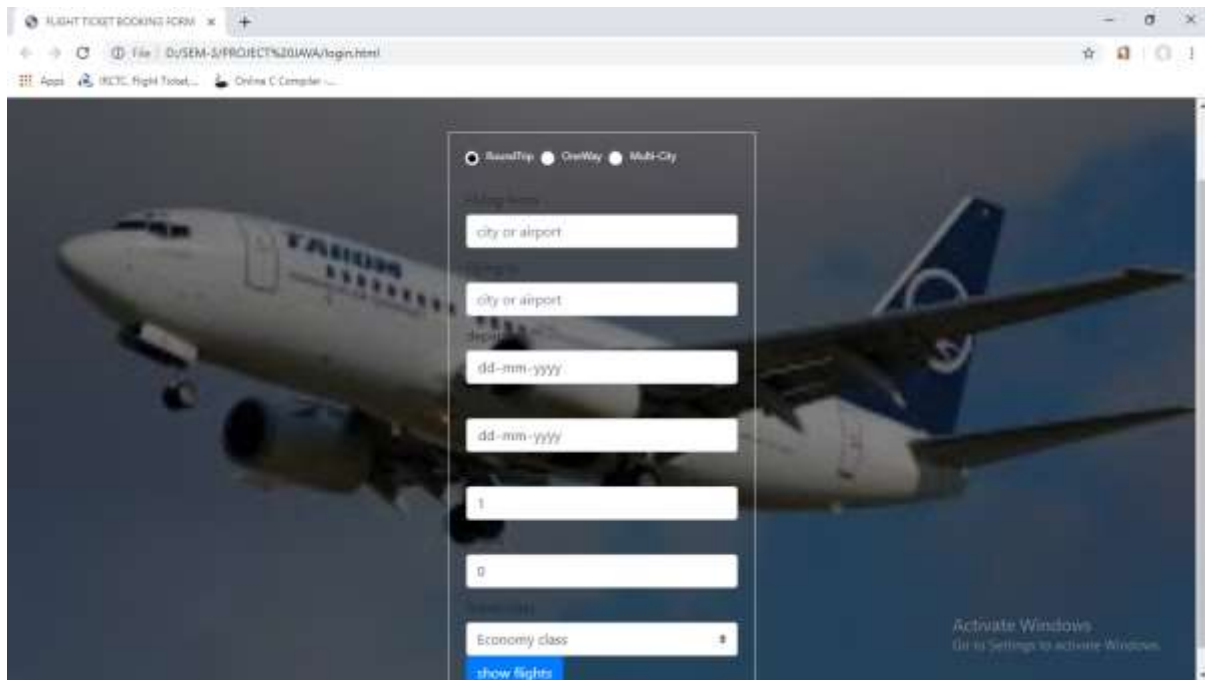
In this PROJECT we have made reservation page by use of HTML and CSS.

In this project we have taken destination that a person wants to go and then the details of flights will be shown on screen.

We have to conform the passenger ticket and also to cancel the ticket.

And show the details of booked ticket and show PNR status.

OUTPUT SCREENSHOTS:



REFERENCES:

[1]www.w3school.com

(For HTML AND CSS CODE)

[2]GEEKSFORGEEKS.COM

(JAVA CODE)

[3]GOOGLE IMAGES

FOR IMAGES.

CONCLUSION:

- HENCE WE CONCLUDE THAT, WE ARE MAKING THE BOOKING SYSTEM EASY FOR BOTH AIRPORT MANAGEMENT AND FOR PASSENGER AS WELL.