

**TITLE :** Airline Booking System

**PROBLEM STATEMENT :** User can book and cancel tickets for passengers whose details are in stored in account

**FRONT END DESIGN :**

The front end design is divided into two main sections: "Search Flight Details" and "Ticket Booking Form".

**Search Flight Details:** This section includes input fields for "Source", "Destinati...", and "Date", along with a "Search" button. Below these is a table with the following headers: Flight\_Id, Flight\_Name, Source, Destination, Date, Arrival\_Time, Departure\_Time, and Flight\_Price. The table body is currently empty.

**Ticket Booking Form:** This section includes input fields for "Ticket No:" (with the value 480), "Flight Id:", "Flight Name:", "Source:", "Destination:", "Date:", "Arrival Time:", and "Departure Time:". It also features "Price:" and "Total Price:" fields, a "Seats:" dropdown menu (set to 0), and a "Customer Name:" field.

At the bottom of the interface, there are three buttons: "Home", "Exit", and "Book Ticket".

**Add Flight Details**

**Flight Id:**

**Flight Name:**

**Source:**

**Destination:**

**Date:**

**Arrival Time:**

**Departure Time:**

**Flight price:**

Flight_Id	Flight_Name	Source	Destination	Date	Arrival_Time	Departure_...
AK1234	Air India	Mumbai	Delhi	2023-01-04	2022-01-0...	2022-01-0...
AR1234	Air asia	Mumbai	Delhi	2023-01-05	2023-01-0...	2023-01-0...
AR4321	AIR INDIA	Mumbai	Delhi	2023-01-05	2023-01-0...	2023-01-0...
DR3456	Vistara	Delhi	Chennai	2023-01-05	2023-01-0...	2023-01-0...
GS5678	Indigo	Mumbai	Chennai	2023-01-05	2022-01-0...	2022-01-0...
GT1306	Spicejet	Mumbai	Chandigarh	2023-01-05	2022-01-0...	2022-01-0...
OZ1801	Air India	Srinagar	Odisha	2023-01-06	2023-01-0...	2023-01-0...
RT341	Spicejet	Gujarat	Vishakhap...	2023-01-06	2023-01-0...	2023-01-0...

Add Delete Update Search Home Exit

**Signup**

**Username**

**Name**

**Password**

**Sec\_Q** What is your nick name? ▼

**Answer**

Register
Cancel

## EVENT HANDLING CODE :

```
private void LoginActionPerformed(java.awt.event.ActionEvent evt) {
String sql="select * from Account where Username=? and Password=?";
try{
    pst=conn.prepareStatement (sql);
    pst.setString(1,jTextField1.getText());
```

```
pst.setString(2,jPasswordField1.getText());      rs=pst.executeQuery();  
if(rs.next()){      rs.close();      pst.close();
```

```
        setVisible(false);  
        Home ob=new Home();  
ob.setVisible(true);
```

```
    }else{  
        JOptionPane.showMessageDialog(null, rs);  
    }
```

```
    }catch(Exception e){  
        JOptionPane.showMessageDialog(null, e);  
    }finally{  
try{  
        rs.close();  
pst.close();  
        }catch(Exception e)  
    }  
    }  
  
}
```

```
private void SignupActionPerformed(java.awt.event.ActionEvent evt) {  
setVisible(false);
```

```

        Signup ob=new Signup();
ob.setVisible(true);

    }

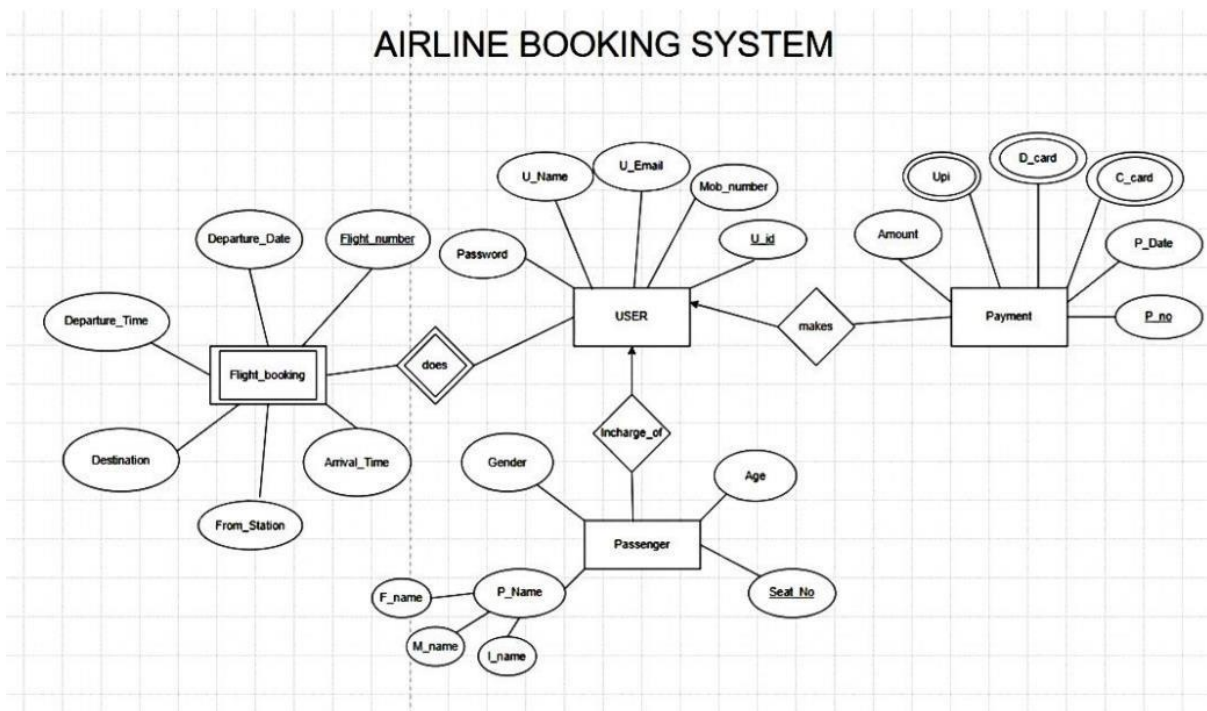
    private void ForgotActionPerformed(java.awt.event.ActionEvent evt) {
setVisible(false);

        Forgot ob=new Forgot();
ob.setVisible(true);

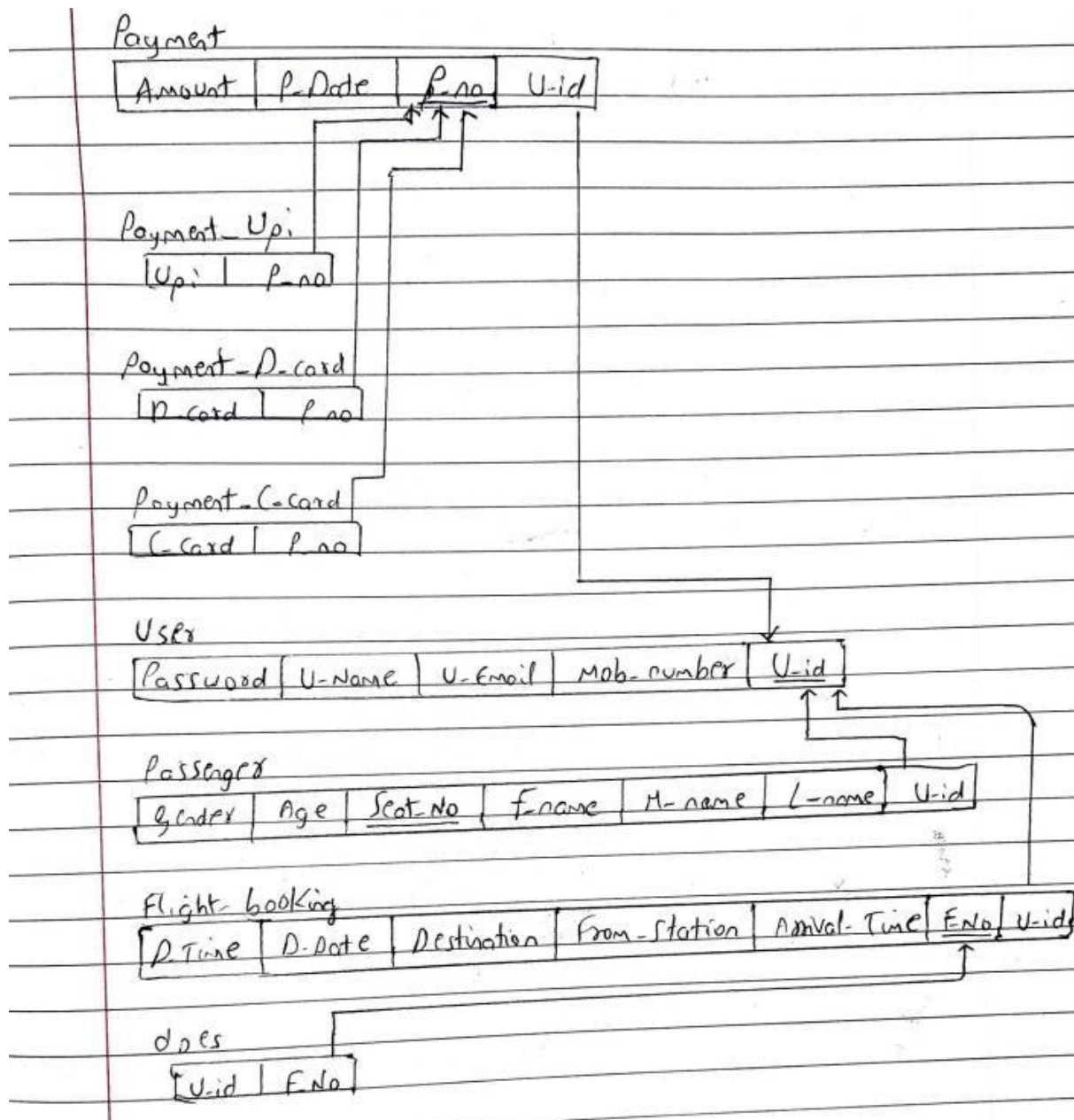
    }

```

## ER DIAGRAM :



## MAPPING OF ER DIAGRAM TO TABLES :



## CONNECTIVITY CODE :

```
public class javaconnect {
    Connection
    conn;
    public static Connection
    ConnectDb(){
        try{
            Class.forName("com.mysql.jdbc.Driver");

            Connection conn =
            DriverManager.getConnection("jdbc:mysql://localhost:3306/flight","root","root");

            return conn;
        }
    }
}
```

```

}catch(Exception e){

    JOptionPane.showMessageDialog(null, e);

    return null;

}

}

}

```

```
conn=javaconnect.ConnectDb()
```

```
String sql="select * from Account where Username=? and Password=?"; pst=conn.prepareStatement
(sql);
```

## TABLES WITH ROWS :

	Flight_Id	Flight_Name	Source	Destination	Date	Arrival_Time	Departure_Time	Flight_Price
▶	AK1234	Air India	Mumbai	Delhi	2023-01-04	2022-01-04 09:00:00	2022-01-04 07:00:00	5000
	AR1234	Air asia	Mumbai	Delhi	2023-01-05	2023-01-05 09:00:00	2023-01-05 06:00:00	2000
	AR4321	AIR INDIA	Mumbai	Delhi	2023-01-05	2023-01-05 09:00:00	2023-01-05 06:00:00	2000
	DR3456	Vistara	Delhi	Chennai	2023-01-05	2023-01-05 15:00:00	2023-01-05 09:00:00	10000
	GS5678	Indigo	Mumbai	Chennai	2023-01-05	2022-01-05 14:00:00	2022-01-05 11:00:00	6000
	GT1306	Spicejet	Mumbai	Chandigarh	2023-01-05	2022-01-06 11:00:00	2022-01-06 07:00:00	4000
	OZ1801	Air India	Srinagar	Odisha	2023-01-06	2023-01-06 23:00:00	2023-01-06 18:00:00	7500
	RT341	Spicejet	Gujarat	Vishakhapatnam	2023-01-06	2023-01-06 21:00:00	2023-01-06 17:00:00	7000
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

	Ticket_No	Flight_id	Flight_Name	Source	Destination	Booking_Date	Arrival_Time	Departure_Time	Price	Seats	C_Name	Return_Date
▶	407	GS5678	Indigo	Mumbai	Chennai	2023-01-05	2022-01-05 14:00:00	2022-01-05 11:00:00	6000	1	amey	2023-01-03
	657	AR4321	AIR INDIA	Mumbai	Delhi	2023-01-05	2023-01-05 09:00:00	2023-01-05 06:00:00	2000	1	Rahul	2023-01-04
	902	GS5678	Indigo	Mumbai	Chennai	2023-01-05	2022-01-05 14:00:00	2022-01-05 11:00:00	6000	1	Gautam	2023-01-04
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

	Ticket_No	Flight_id	Flight_Name	Source	Destination	Date	Arrival_Time	Departure_Time	Total_Price	Seats	C_Name
▶	372	AR1234	Air asia	Mumbai	Delhi	2023-01-05	2023-01-05 09:00:00	2023-01-05 06:00:00	2000	1	Yash
	577	GT1306	Spicejet	Mumbai	Chandigarh	2023-01-05	2022-01-06 11:00:00	2022-01-06 07:00:00	4000	1	YASH
•	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

	Username	Name	Password	Sec_Q	Answer
▶	rahulshah	rahul	12345	What is your nick name?	rl
	yashhh	yashh	123456	What is your nick name?	ys
	yashshah	yash	1234	What is your nick name?	ys
•	NULL	NULL	NULL	NULL	NULL