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AIM

The main aim of our project is to improve the services for Customers. The central concept of the application is to allow the customer to book train tickets using the Internet with just a click of the mouse. It is better way in which the person doesn't need to go to the station to book tickets.

INTRODUCTION

Train Tickets

This program allows customers to book Train Tickets. It also stores the details of the customers. The details of the user input and the details of the ticket are taken as input and stored in the Database. Total amount can be calculated by the user by clicking the respective buttons. The primary features of this project entitled "**TRAIN TICKETS**" are convenience and easy availability.

FRAME 1

Code :

Log in button:

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
login obj=new login();

obj.setVisible(true);

this.dispose();

    }
```

Sign up button:

```
  private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

int confirmed = JOptionPane.showConfirmDialog(null,"Are you sure you want to
Exit", "Exit Program Message Box", JOptionPane.YES_NO_OPTION);

if (confirmed==JOptionPane.YES_OPTION){

dispose();

       }

    }
```

FRAME 2

Code :

Next>> buton:

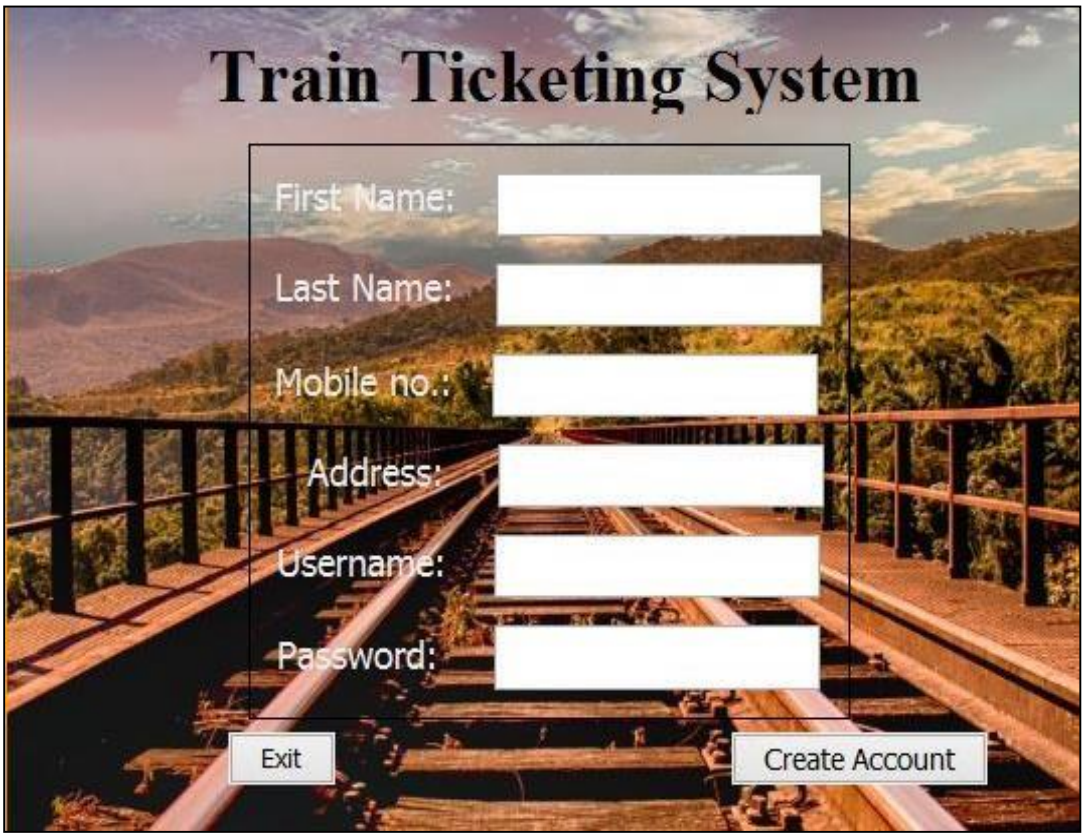
```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        main obj=new main();
        String un=login.getText();
        String pw=password.getText();
        String masterun="lakhan";
        String masterpw="singh";

        if((un.equals(masterun)) && (pw.equals(masterpw)))
                {obj.setVisible(true);
                 this.dispose(); }
        else
        {
        try {
           Class.forName("java.sql.Driver");
           Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/accounts","root","root"
);
           Statement stmt=con.createStatement();
           String query="select * from records where username = '"+un+"'";
           ResultSet rs=stmt.executeQuery(query);
           while(rs.next())
           { String pass=rs.getString("Password");
              if(pw.equals(pass))
```

```
            {obj.setVisible(true);
          this.dispose(); }
            else
{JOptionPane.showMessageDialog(null,"Incorrect Username or Password");
  login.setText(null);
password.setText(null);
            }
      }
      }
      catch(Exception e){
      JOptionPane.showMessageDialog(this,"Incorrect Username or Password");

      }
      }
   }
```

Exit button:

```
   private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
   int confirmed = JOptionPane.showConfirmDialog(null,"Are you sure you want
to Exit", "Exit Program Message Box",
            JOptionPane.YES_NO_OPTION);

     if (confirmed==JOptionPane.YES_OPTION){
        dispose();
     }
```

FRAME 3


Train Ticketing System
First Name:
Last Name:
Mobile no.:
Address:
Username:
Password:
Exit
Create Account

Code :

Create Account button:

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        main obj=new main();
        String fn =fname.getText();
        String ln =lname.getText();
        int mob=Integer.parseInt(mobile.getText());
        String add =address.getText();
        String un =uname.getText();
        String pw =pass.getText();
        try{
            Class.forName("java.sql.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/accounts","root","root"
);
            Statement stmt=con.createStatement();
            String query= "Insert into records values('"+fn+"' , '"+ln+"' , '"+mob+"' ,
'"+add+"' , '"+un+"' , '"+pw+"')";
            int rs=stmt.executeUpdate(query);
            JOptionPane.showMessageDialog(null, "Account Created!");
```

```
            obj.setVisible(true);
            this.dispose();   }
        catch(Exception e)
        {JOptionPane.showMessageDialog(null,e.getMessage());
       }
    }
```

Exit button:

```
    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        int confirmed = JOptionPane.showConfirmDialog(null,"Are you sure you want to Exit", "Exit Program Message Box",
                JOptionPane.YES_NO_OPTION);
       if (confirmed==JOptionPane.YES_OPTION){
           dispose();
       }
    }
```

FRAME 4


Train Ticketing System
Class
Adult/Child
Type
Destination
Standard
Economic
First Class
Adult
Child
Single
Return
<Select City>
Subtotal:
Tax:
Total:
Calculate Amount
Make Payment
Reset
Exit

Code :

Calculate Amount button:

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    Double phi=0.0;
    String cls="",adu="",typ="",de="";
    //class
    Double access_fee=0.00;
    if(Std.isSelected())
    {access_fee=100.00;
    cls="Standard";
    }
    else if(Eco.isSelected())
    {access_fee=200.00;
    cls="Economic";
    }
    else if(First.isSelected())
    {access_fee=400.00;
    cls="First Class";
    }
```

```
        else
        {JOptionPane.showMessageDialog(null,"Please select class");
        phi=1.0;
        }

//Adult/child
        Double age=0.00;
        if (Adult.isSelected())
        {age=100.00;
        adu="Adult";
        }
        else if (Child.isSelected())
        {age=50.00;
        adu="Child";
        }
        else
        {JOptionPane.showMessageDialog(null,"Please select adult/child");
        phi=1.0;
        }
```

```
//JourneyType
Double trip=0.00;
if (Single.isSelected())
{trip=1.00;
typ="Single";
}
else if (Return.isSelected())
{trip=2.00;
typ="Return"; }
else
{JOptionPane.showMessageDialog(null,"Please select type ofjourney");
phi=1.0;       }
//Destination
Double dest=0.00;
if (Dest.getSelectedItem().equals("Mumbai"))
{dest=100.00;
de="Mumbai";
}
else if (Dest.getSelectedItem().equals("Chennai"))
```

```
    {dest=200.00;
    de="Chennai";
    }
    else if (Dest.getSelectedItem().equals("Delhi"))
    {dest=300.00;
    de="Delhi";
    }
    else if (Dest.getSelectedItem().equals("Kolkata"))
    {dest=400.00;
    de="Kolkata";
    }
    else
    {JOptionPane.showMessageDialog(null,"Please select destination");
       phi=1.0;}
    Double SubTotl= (access_fee + age + dest)*trip;
    Double tax=0.20*SubTotl;
Double totl= SubTotl + tax;
    if(phi==1.0)
       {Sub.setText(null);
```

```
            Tax.setText(null);
            Totl.setText(null);    }
        else
        {Sub.setText("₹ "+SubTotl +"/-");
         Tax.setText("₹ "+tax +"/-");
         Totl.setText("₹ "+totl +"/-");
        }
        try{
            Class.forName("java.sql.Driver");
            Connection
con=DriverManager.getConnection("jdbc:mysql://localhost/accounts","root","root"
);
            Statement stmt=con.createStatement();
            String query= "Insert into main values('"+cls+"' , '"+adu+"' , '"+typ+"' ,
'"+de+"' , '"+totl+"')";


            int rs=stmt.executeUpdate(query);
            JOptionPane.showMessageDialog(null, "Click on Make Payment");
          }
        catch(Exception e)
```

```
    {JOptionPane.showMessageDialog(null,e.getMessage());
    }
  }
```

Reset button:

```
  private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    Std.setSelected(false);
    Eco.setSelected(false);
    First.setSelected(false);
    Adult.setSelected(false);
    Child.setSelected(false);
    Single.setSelected(false);
    Return.setSelected(false);
    Dest.setSelectedItem("<Select City>");
    Sub.setText(null);
    Tax.setText(null);
    Totl.setText(null);
  }
```

Make Payment button:

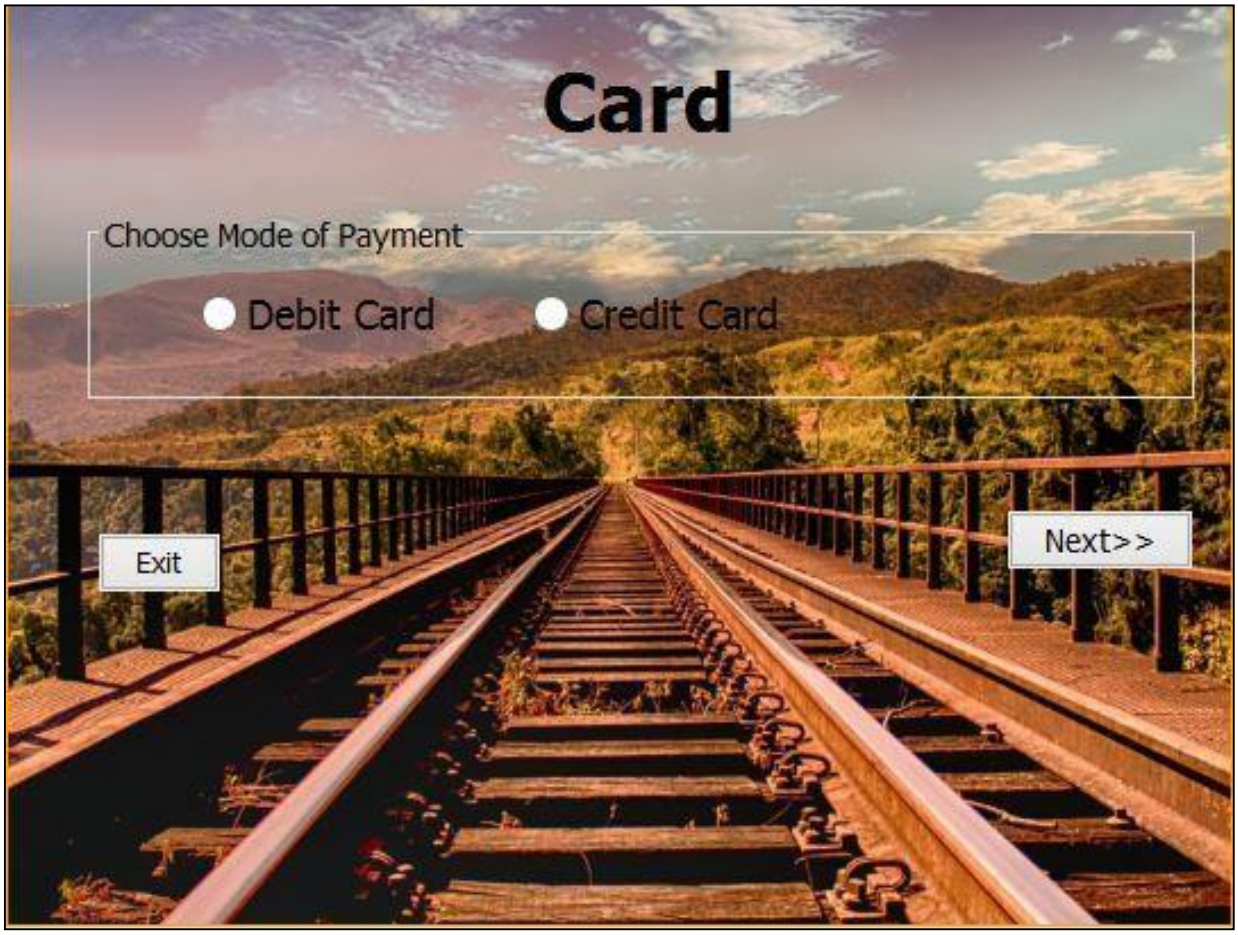
```
  private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
```

```
card obj= new card();
String check=Sub.getText();
String check1="";
if(check.equals(check1))
   JOptionPane.showMessageDialog(null,"Please Calculate Amount");
else
{obj.setVisible(true);
this.dispose()  }
```

Exit button:

```
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    int confirmed = JOptionPane.showConfirmDialog(null,"Are you sure you want to Exit", "Exit Program Message Box",
            JOptionPane.YES_NO_OPTION);
   if (confirmed==JOptionPane.YES_OPTION){
      dispose() }
  }
```

FRAME 5


Card
Choose Mode of Payment
Debit Card
Credit Card
Exit
Next>>

Code :

Next>> button:

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

        payment obj=new payment();

        if(credit.isSelected())

        {obj.setVisible(true);

        this.dispose();}

        else if(debit.isSelected())

        {obj.setVisible(true);

        this.dispose();}

        else

      JOptionPane.showMessageDialog(null,"Please select type of card"); }
```

Exit button:

```
    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

     int confirmed = JOptionPane.showConfirmDialog(null,"Are you sure you want
to Exit", "Exit Program Message Box",

    JOptionPane.YES_NO_OPTION);

       if (confirmed==JOptionPane.YES_OPTION){

          dispose(); }
```

FRAME 6

Code :

Make Payment button:

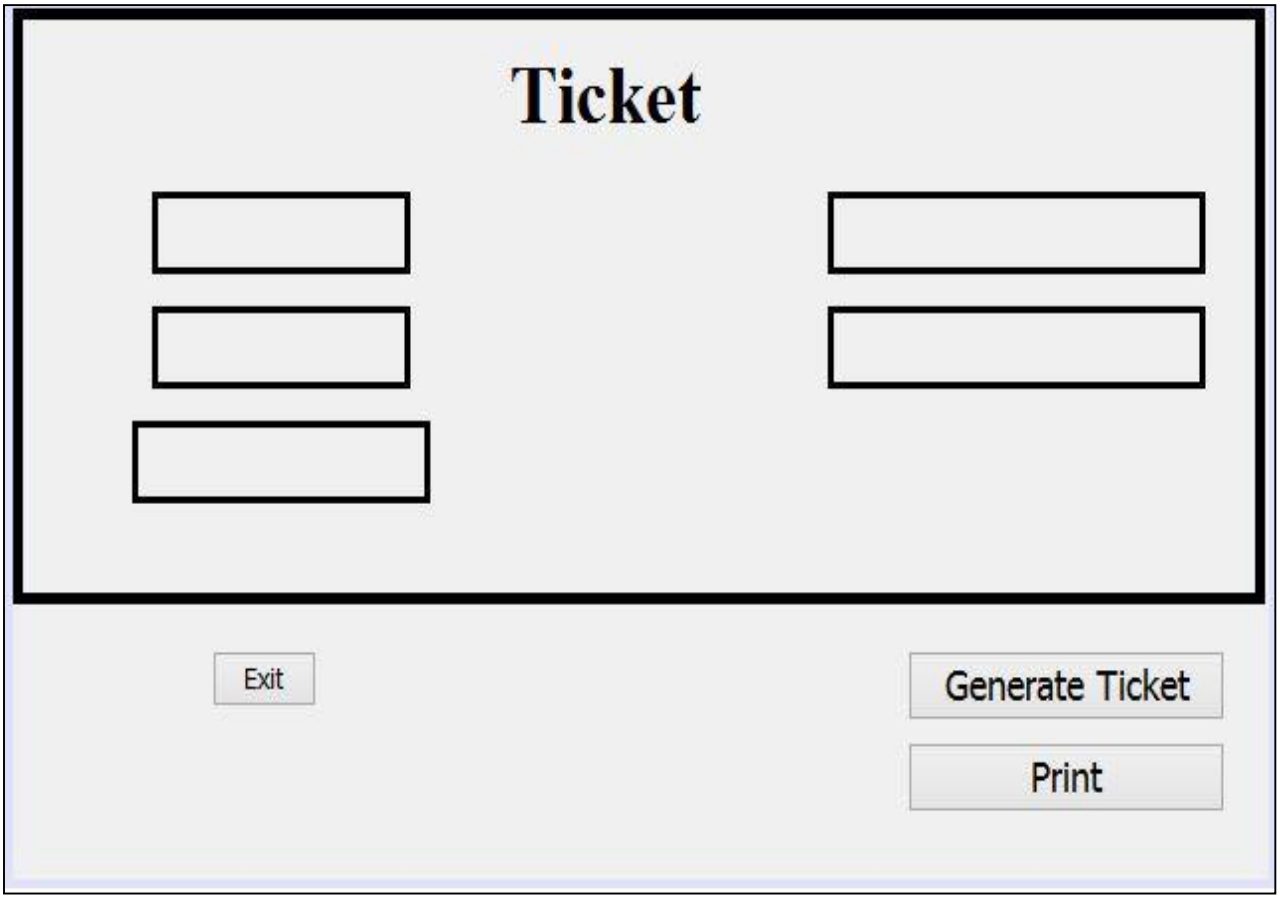
```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        ticket obj = new ticket();
        String check1=cardno.getText();
        String check2=cvv.getText();
        String check3=a.getText();
        String check4=b.getText();
        String check5=c.getText();
        String check6=pin.getText();
        String check="";
        if(check1.equals(check) || check2.equals(check) || check3.equals(check) ||
check4.equals(check) || check5.equals(check) || check6.equals(check))
        JOptionPane.showMessageDialog(null,"Please fill all the fields");
        else
        {JOptionPane.showMessageDialog(null,"Transaction Complete!");
        obj.setVisible(true);
        this.dispose();}
```

```
    }
```

Exit button:

```
    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

        int confirmed = JOptionPane.showConfirmDialog(null,"Are you sure you want to Exit", "Exit Program Message Box",

                JOptionPane.YES_NO_OPTION);


       if (confirmed==JOptionPane.YES_OPTION){

           dispose();

       }

    }
```

FRAME 7



Code :

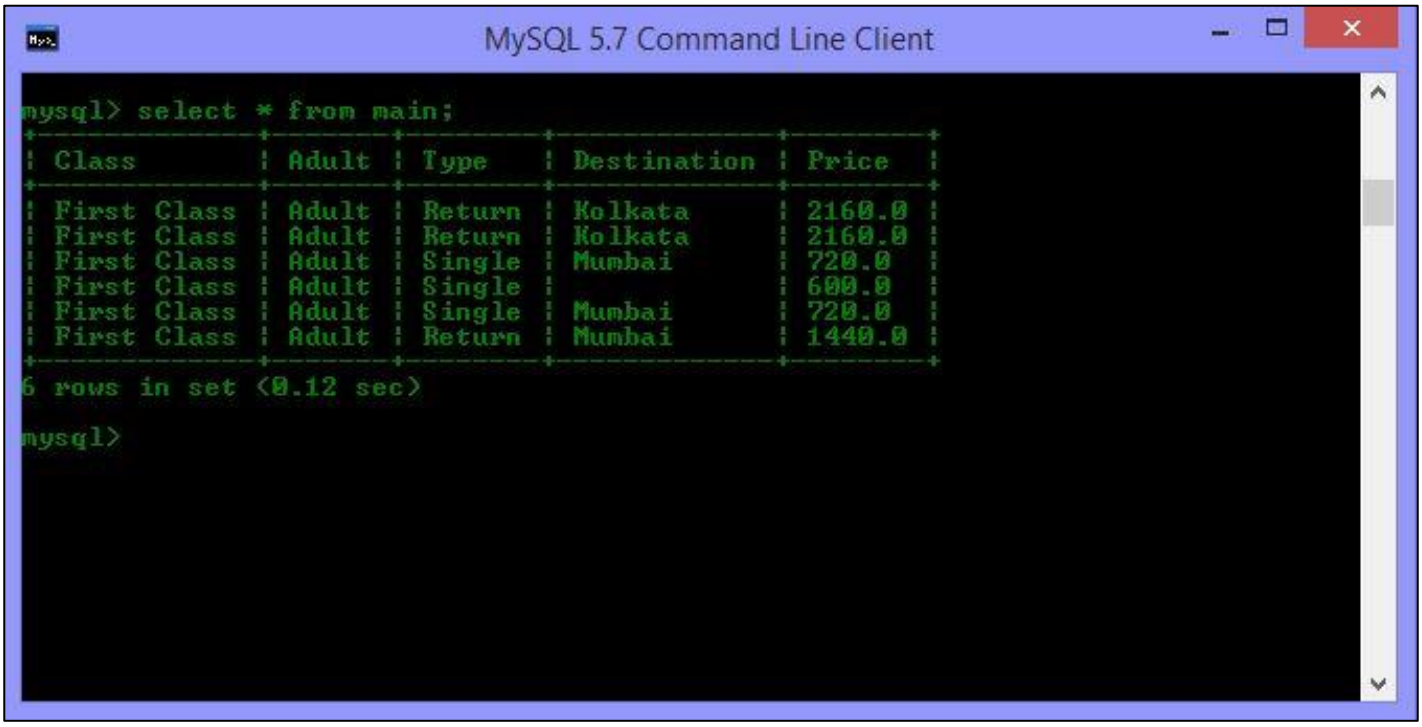
Print button:

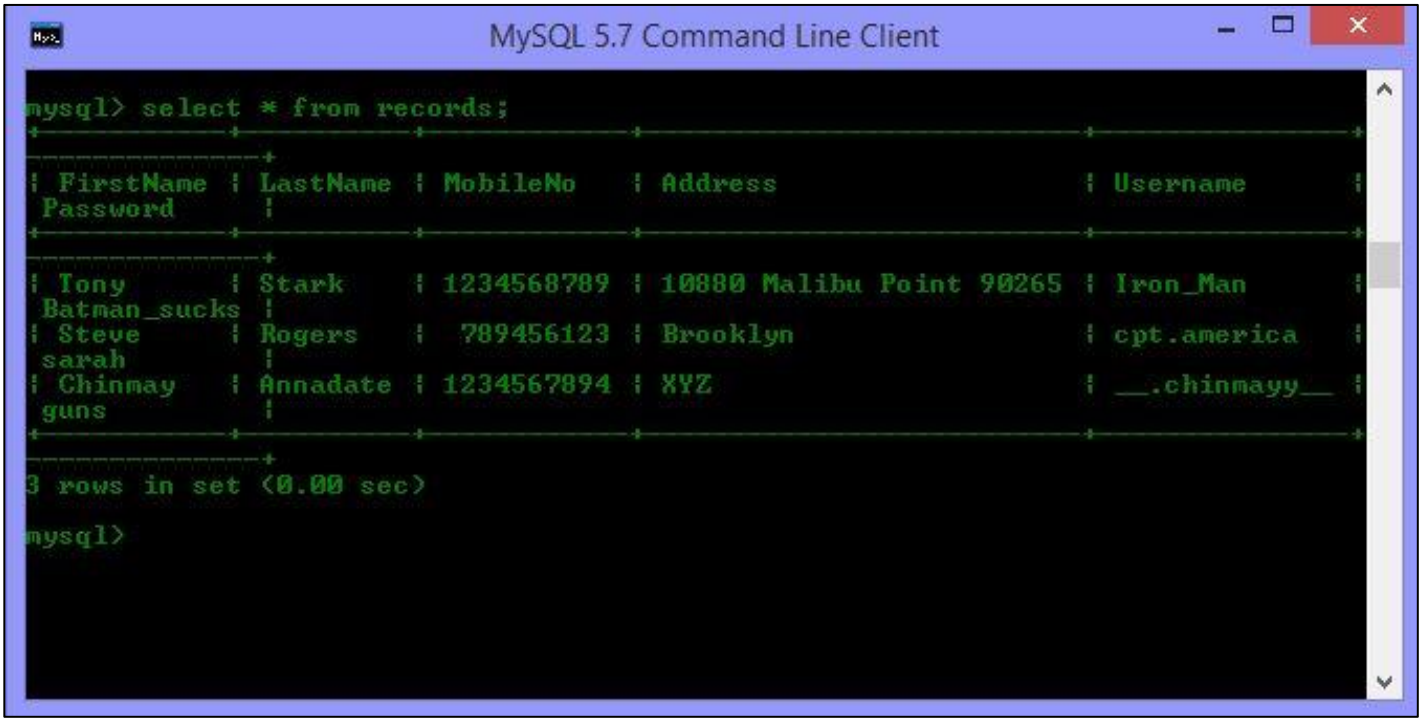
```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

    JOptionPane.showMessageDialog(null,"Printer not connected");

}
```

Exit button:

```
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {

    System.exit(0);

}
```

MYSQL TABLES LINKED TO THE PROJECT





MERITS

- Records can be stored in efficiently.
- The app allows users to book tickets from their homes and therefore they don’t have to manually book them at the station.
- Saves environment by making records paperless.

DEMERITS

- Due to failure of electricity, no work can be processed.
- Only one ticket can be booked in one session.
- Once records are stored, user cannot change them.

CONCLUSION

In this project, the user is provided with an e-commerce web site that can be used to book Train Tickets online. This project helps in understanding the creation of an interactive page as a front end, coding at the backend and the technologies used to implement it.

This project offers user to enter the data through simple and interactive forms and is very user-friendly. This is very helpful for the user to enter the desired information through so much simplicity.

BIBLOGRAPHY

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