# PG Availability Checker

## CAP680  CA-3 Mini Project

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# Created 5 JAVA Classes
## Conn, Pgfinder, Dashboard, listpg, Login

```java
package pg.pgfinder;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;

public class Conn {
 Connection c;
 Statement s;
 Conn() {
 try {
 Class.forName("com.mysql.cj.jdbc.Driver");
 c = DriverManager.getConnection("jdbc:mysql://localhost:3306/pgchecker", "root", "aman9897");
 s = c.createStatement();
 } catch (Exception e) {
 e.printStackTrace();
 }

 }
}
```

```java
package pg.pgfinder;

import java.awt.*;
import java.awt.event.*;
import javax.swing.*;

public class PgFinder extends JFrame implements ActionListener {

 PgFinder(){
 setLayout(null);
 setTitle("PG Availability Checker");
 setSize(1400, 565);
 setLocation(100,100);

 ImageIcon im = new ImageIcon(ClassLoader.getSystemResource("proimg/mountrooms.jpg"));
 Image img2 = im.getImage().getScaledInstance(1400,565,Image.SCALE_DEFAULT);
 ImageIcon img3 = new ImageIcon(img2);
 JLabel image = new JLabel(img3);

 image.setBounds(0,0,1400,565);
 add(image);
```

```java
//JPanel title = new JPanel();
JLabel text = new JLabel("PG AVAILABILITY CHECKER");
text.setBounds(100, 400, 1100, 100 );
text.setForeground(Color.white);
text.setFont(new Font("serif",Font.BOLD, 60));
image.add(text);

JButton next = new JButton("NEXT");
next.setBounds(1000, 35, 100, 40);
next.setForeground(Color.black);
next.setBackground(Color.white);
next.addActionListener(this);
next.setFont(new Font("serif",Font.PLAIN, 20));
text.add(next);

setVisible(true);

}

public void actionPerformed(ActionEvent ae){
setVisible(false);
new Login();

}

public static void main(String[] args){

new PgFinder();
}
}
```

```java
package pg.pgfinder;
import javax.swing.*;
import javax.swing.border.EmptyBorder;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;

public class Dashboard extends JFrame implements ActionListener {
 Dashboard() {
 setLayout(null);
 setBounds(100, 50, 1350, 750);
// getContentPane().setBackground(Color.DARK_GRAY);

ImageIcon im = new ImageIcon(ClassLoader.getSystemResource("proimg/mount2.jpg"));
 Image img2 = im.getImage().getScaledInstance(1400,800,Image.SCALE_DEFAULT);
 ImageIcon img3 = new ImageIcon(img2);
 JLabel image = new JLabel(img3);

 image.setBounds(0,0,1400,800);
 add(image);
```

```java
JLabel title = new JLabel("Welcome to Naya Ghar");
title.setBounds(250, 70, 1200, 80);
title.setForeground(Color.black);
title.setFont(new Font("Tahoma", Font.BOLD, 70));
image.add(title);

JMenuBar ab = new JMenuBar();
ab.setBounds(0, 0, 1550, 30);
image.add(ab);
JMenu home = new JMenu("Home");
home.setBorder(new EmptyBorder(0, 10, 0, 10));
ab.add(home);

JMenu pgowners = new JMenu("For PG Owners");
pgowners.setBorder(new EmptyBorder(0, 10, 0, 10));
ab.add(pgowners);

JMenuItem list = new JMenuItem("LIST PG");
list.addActionListener(this);
pgowners.add(list);

JMenuItem rvlist = new JMenuItem(" Remove your PG");
pgowners.add(rvlist);

JMenu city = new JMenu("Select City");
city.setBorder(new EmptyBorder(0, 10, 0, 10));
ab.add(city);

JMenuItem mum = new JMenuItem(" Mumbai");
JMenuItem hyd = new JMenuItem(" Hyderabad");
JMenuItem klk = new JMenuItem(" Kolkata");
JMenuItem ga = new JMenuItem(" Goa");


city.add(mum);
city.add(hyd);
city.add(klk);
city.add(ga);

JMenu cnt = new JMenu("Contact us");
ab.add(cnt);

setVisible(true);
}
public void actionPerformed(ActionEvent ae) {
if (ae.getActionCommand().equals("LIST PG")) {
new listPg();

}
}

public static void main(String[] args) {
new Dashboard();
}
}
```

```java
package pg.pgfinder;

import javax.swing.*;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;

public class listPg extends JFrame implements ActionListener{

 JTextField tfname,tfmobile,tfcity,tfaddr,mail;
 JRadioButton jr,jrweek;
 JButton sub;


 listPg(){
 setLayout(null);
 getContentPane().setBackground(Color.white);
 setTitle("List PG");

 JLabel lbldtl = new JLabel("Enter Your Details");
 lbldtl.setBounds(60,10,180,30);
 add(lbldtl);
 lbldtl.setFont(new Font("tahoma", Font.BOLD, 17));
 add(lbldtl);

 JLabel lblname = new JLabel("Name");
 lblname.setBounds(60,80,120,30);
 add(lblname);
 lblname.setFont(new Font("tahoma", Font.PLAIN, 17));
 add(lblname);

 tfname = new JTextField();
 tfname.setBounds(200,80,150,30);
 add(tfname);


 JLabel lblcon = new JLabel("Mobile");
 lblcon.setBounds(60,130,120,30);
 add(lblcon);
 lblcon.setFont(new Font("tahoma", Font.PLAIN, 17));
 add(lblcon);

 tfmobile = new JTextField();
 tfmobile.setBounds(200,130,150,30);
 add(tfmobile);

 JLabel lblcity = new JLabel("City");
 lblcity.setBounds(60,180,120,30);
 add(lblcity);
 lblcity.setFont(new Font("tahoma", Font.PLAIN, 17));
 add(lblcity);
```

```java
tfcity = new JTextField();
tfcity.setBounds(200,180,150,30);
add(tfcity);

JLabel lbltime = new JLabel("Preferred time to call");
lbltime.setBounds(60,230,200,30);
add(lbltime);
lbltime.setFont(new Font("tahoma", Font.PLAIN, 17));
add(lbltime);

jr = new JRadioButton("10am-6pm");
jr.setBounds(250,230,120,30);
jr.setFont(new Font("tahoma", Font.PLAIN, 17));
jr.setBackground(Color.white);
add(jr);

jrweek = new JRadioButton("Weekends");
jrweek.setBounds(380,230,120,30);
jrweek.setFont(new Font("tahoma", Font.PLAIN, 17));
jrweek.setBackground(Color.white);
add(jrweek);

ButtonGroup bg = new ButtonGroup();
bg.add(jr);
bg.add(jrweek);


JLabel lbladdr = new JLabel("PG Address");
lbladdr.setBounds(60,280,120,30);
add(lbladdr);
lbladdr.setFont(new Font("tahoma", Font.PLAIN, 17));
add(lbladdr);

tfaddr = new JTextField();
tfaddr.setBounds(200,280,150,30);
add(tfaddr);

JLabel lblmail = new JLabel("Email");
lblmail.setBounds(60,330,120,30);
add(lblmail);
lblmail.setFont(new Font("tahoma", Font.PLAIN, 17));
add(lblmail);

mail = new JTextField();
mail.setBounds(200,330,150,30);
add(mail);

sub = new JButton("SUBMIT");
sub.setBackground(Color.black);
sub.setForeground(Color.white);
sub.setBounds(100,420,150,30);
sub.addActionListener(this);
add(sub);
```

```java
ImageIcon im = new ImageIcon(ClassLoader.getSystemResource("proimg/pngwing.com.png"));
Image img2 = im.getImage().getScaledInstance(300,300,Image.SCALE_DEFAULT);
ImageIcon img3 = new ImageIcon(img2);
JLabel image = new JLabel(img3);

image.setBounds(500,205,300,300);
add(image);


setBounds(350,200,850,540);
setVisible(true);

}
@Override
public void actionPerformed(ActionEvent e) {

String name = tfname.getText();
String mobile = tfmobile.getText();
String city = tfcity.getText();
String pgaddr = tfaddr.getText();
String email = mail.getText();
String PreferredTimeToCall = null;
if(jr.isSelected()){
PreferredTimeToCall = "10am-6pm";
} else if (jrweek.isSelected()) {
PreferredTimeToCall = "Weekends";
}
try{

Conn conn = new Conn();

String query = "insert into listpg values('"+name+"',
'"+mobile+"','"+city+"','"+PreferredTimeToCall+"','"+pgaddr+"','"+email+"')";
conn.s.executeUpdate(query);

JOptionPane.showMessageDialog(null, "Our executive will call you and your PG is Listed Successfully");
setVisible(false);
}catch (Exception ae){

ae.printStackTrace();
}

}

public static void main(String[] args) {
new listPg();
}
```

```java
package pg.pgfinder;

import javax.swing.*;
import java.awt.*;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.sql.ResultSet;

public class Login extends JFrame implements ActionListener {

 JTextField username,password;
 JButton login;
 Login(){
// getContentPane().setBackground(Color.darkGray);
 setLayout(null);
 setSize(1400, 565);
 setLocation(100,100);

 ImageIcon im = new ImageIcon(ClassLoader.getSystemResource("proimg/login.png"));
 Image img2 = im.getImage().getScaledInstance(150,150,Image.SCALE_DEFAULT);
 ImageIcon img3 = new ImageIcon(img2);
 JLabel image = new JLabel(img3);

 image.setBounds(400,30,150,150);
 add(image);

 JLabel user = new JLabel("Username");
 user.setBounds(100,20,100,30);
 user.setForeground(Color.black);

add(user);

 username = new JTextField();
 username.setBounds(210,20,150,30);
 add(username);

 JLabel pass = new JLabel("Password");
 pass.setBounds(100,70,100,30);
 pass.setForeground(Color.black);
 add(pass);

 password = new JTextField();
 password.setBounds(210,70,150,30);
 add(password);

 login = new JButton("Login");
 login.setBounds(150,150,100,40);
 login.setBackground(Color.black);
 login.setForeground(Color.white);
 login.addActionListener(this);
 add(login);
```

```java
setBounds(500, 200, 600, 300);
setVisible(true);
}
public void actionPerformed(ActionEvent ae){
String user = username.getText();
String pass = password.getText();

try{
Conn c = new Conn();
String query = "select * from login where username ='"+ user+ "'and password ='" +pass+ "' ";
ResultSet rs = c.s.executeQuery(query);
if(rs.next()){
setVisible(false);
new Dashboard();
} else {
JOptionPane.showMessageDialog(null, "Invalid Username or Password");

}

}
catch (Exception e){
e.printStackTrace();
}
}
public static void main(String[] args){
new Login();
}
}
```
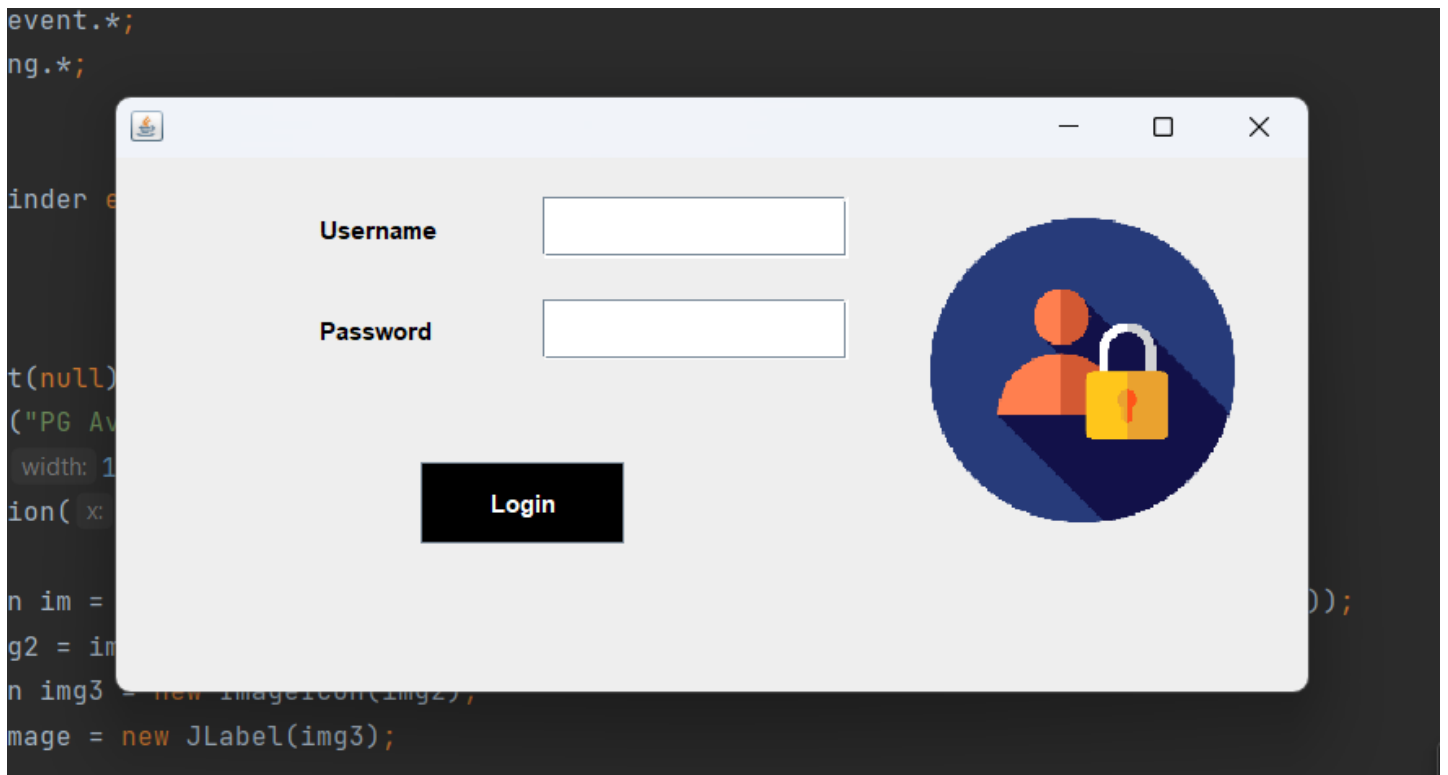
# Homepage
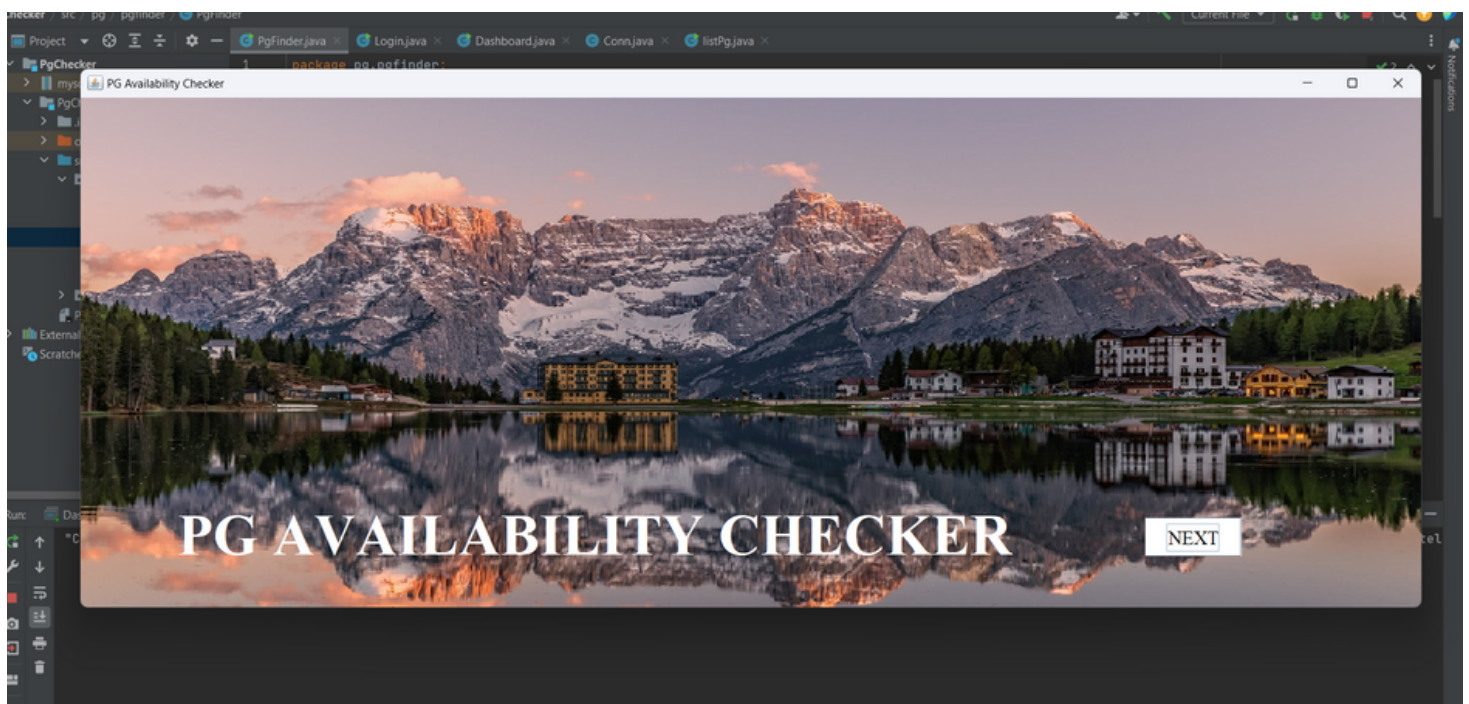
# Login page



# Landing Page
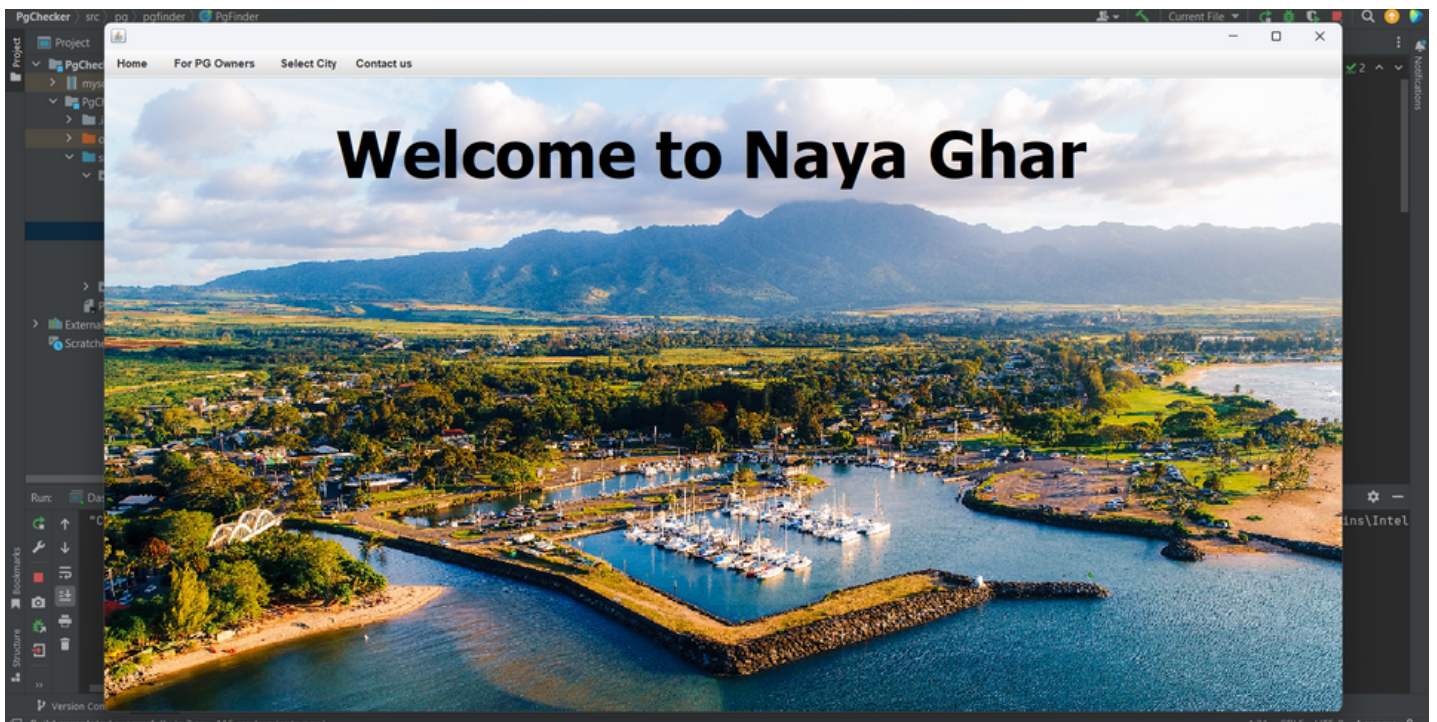
Menu Bar
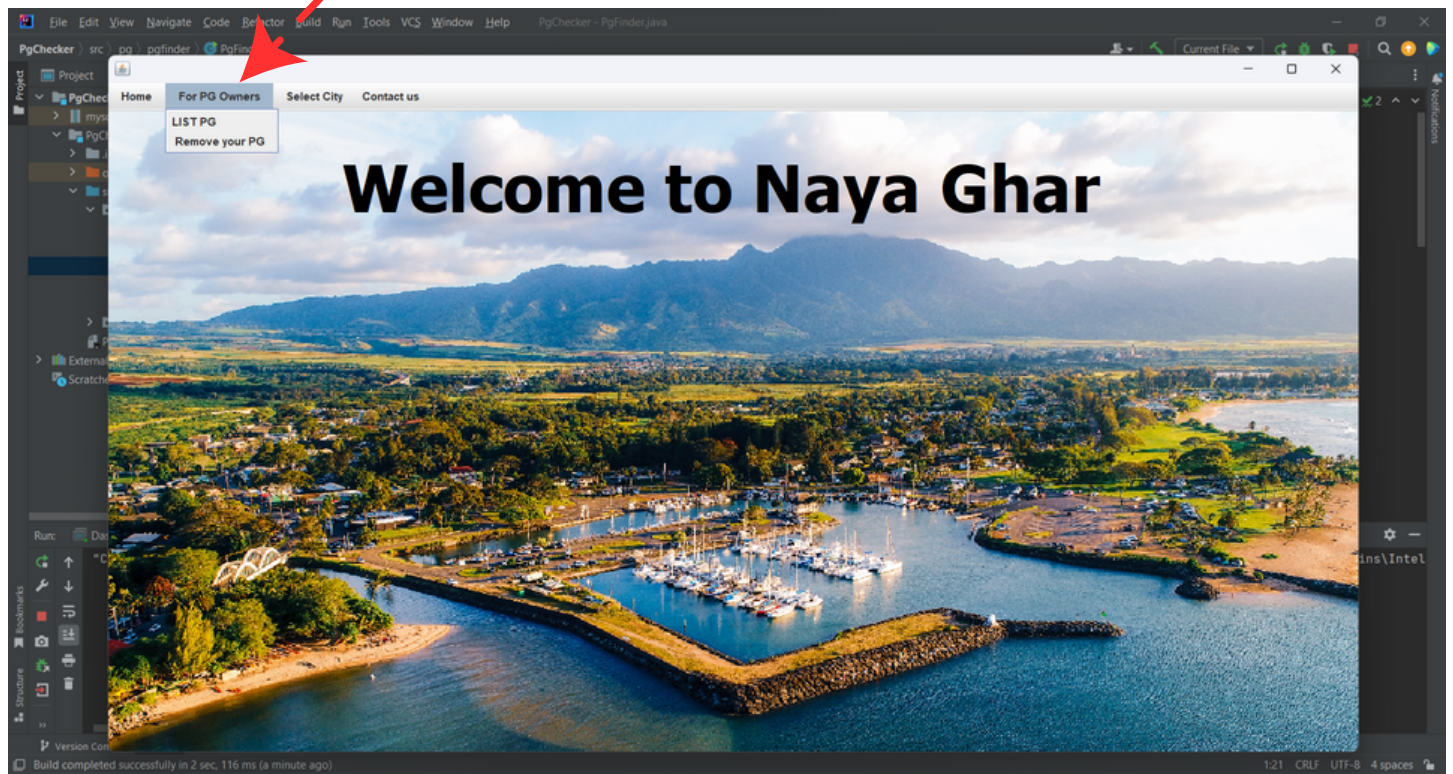

Form - List PG

# Database Connectivity