**import java.sql.Connection;**

**import java.sql.DriverManager;**

**/\*\***

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**\* @author 1BestCsharp**

**\*/**

**public class MyConnection {**

**// create a function to connect with mysql database**

**public static Connection getConnection(){**

**Connection con = null;**

**try {**

**Class.forName("com.mysql.jdbc.Driver");**

**con = DriverManager.getConnection("jdbc:mysql://localhost/java\_login\_register", "root", "");**

**} catch (Exception ex) {**

**System.out.println(ex.getMessage());**

**}**

**return con;**

**}**

**}**

**------------ On The Register Form ------------**

**// function to check if the username already exist in database table**

**public boolean checkUsername(String username)**

**{**

**PreparedStatement ps;**

**ResultSet rs;**

**boolean checkUser = false;**

**String query = "SELECT \* FROM `the\_app\_users` WHERE `u\_uname` =?";**

**try {**

**ps = MyConnection.getConnection().prepareStatement(query);**

**ps.setString(1, username);**

**rs = ps.executeQuery();**

**if(rs.next())**

**{**

**checkUser = true;**

**}**

**} catch (SQLException ex) {**

**Logger.getLogger(RegisterForm.class.getName()).log(Level.SEVERE, null, ex);**

**}**

**return checkUser;**

**}**

**// on the register button click**

**private void jButton\_Register\_ActionPerformed(java.awt.event.ActionEvent evt) {**

**String fname = jTextField\_FN.getText();**

**String lname = jTextField\_LN.getText();**

**String uname = jTextField\_UN.getText();**

**String pass = String.valueOf(jPasswordField\_PASS.getPassword());**

**String re\_pass = String.valueOf(jPasswordField\_REPASS.getPassword());**

**String bdate = null;**

**String address = jTextArea\_ADDRESS.getText();**

**if(uname.equals(""))**

**{**

**JOptionPane.showMessageDialog(null, "Add A Username");**

**}**

**else if(pass.equals(""))**

**{**

**JOptionPane.showMessageDialog(null, "Add A Password");**

**}**

**else if(!pass.equals(re\_pass))**

**{**

**JOptionPane.showMessageDialog(null, "Retype The Password Again");**

**}**

**else if(checkUsername(uname))**

**{**

**JOptionPane.showMessageDialog(null, "This Username Already Exist");**

**}**

**else{**

**if(jDateChooser\_BDATE.getDate() != null)**

**{**

**SimpleDateFormat dateformat = new SimpleDateFormat("yyyy-MM-dd");**

**bdate = dateformat.format(jDateChooser\_BDATE.getDate());**

**}**

**PreparedStatement ps;**

**String query = "INSERT INTO `the\_app\_users`(`u\_fname`, `u\_lname`, `u\_uname`, `u\_pass`, `u\_bdate`, `u\_address`) VALUES (?,?,?,?,?,?)";**

**try {**

**ps = MyConnection.getConnection().prepareStatement(query);**

**ps.setString(1, fname);**

**ps.setString(2, lname);**

**ps.setString(3, uname);**

**ps.setString(4, pass);**

**if(bdate != null)**

**{**

**ps.setString(5, bdate);**

**}else{**

**ps.setNull(5, 0);**

**}**

**ps.setString(6, address);**

**if(ps.executeUpdate() > 0)**

**{**

**JOptionPane.showMessageDialog(null, "New User Add");**

**}**

**} catch (SQLException ex) {**

**Logger.getLogger(RegisterForm.class.getName()).log(Level.SEVERE, null, ex);**

**}**

**}**

**}**

**------------ On The Login Form ------------**

**// on the login button click**

**private void jButton\_LOGINActionPerformed(java.awt.event.ActionEvent evt) {**

**PreparedStatement ps;**

**ResultSet rs;**

**String uname = jTextField1.getText();**

**String pass = String.valueOf(jPasswordField1.getPassword());**

**String query = "SELECT \* FROM `the\_app\_users` WHERE `u\_uname` =? AND `u\_pass` =?";**

**try {**

**ps = MyConnection.getConnection().prepareStatement(query);**

**ps.setString(1, uname);**

**ps.setString(2, pass);**

**rs = ps.executeQuery();**

**if(rs.next())**

**{**

**HOME\_JFrame mf = new HOME\_JFrame();**

**mf.setVisible(true);**

**mf.pack();**

**mf.setLocationRelativeTo(null);**

**mf.setExtendedState(JFrame.MAXIMIZED\_BOTH);**

**mf.jLabel1.setText("Welcome < "+uname+" >");**

**this.dispose();**

**}**

**else{**

**JOptionPane.showMessageDialog(null, "Incorrect Username Or Password", "Login Failed", 2);**

**}**

**} catch (SQLException ex) {**

**Logger.getLogger(LoginForm.class.getName()).log(Level.SEVERE, null, ex);**

**}**

**}**