Dokumentasi Praktikum PBO 14B

Mata Kuliah : PBO - TI - S1

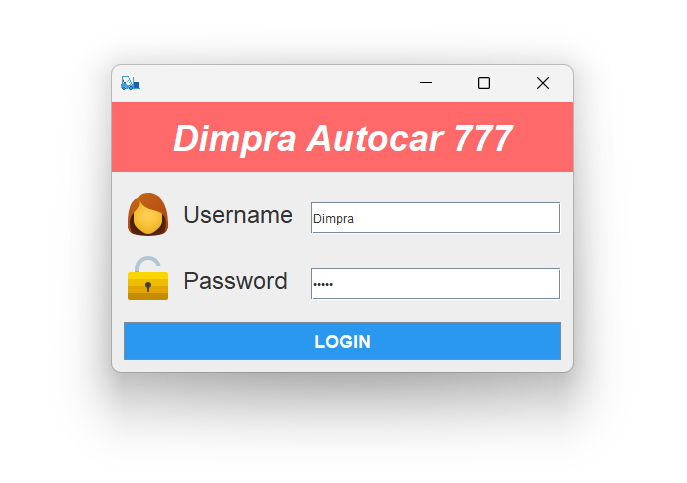
Pertemuan : 14B

NIM : A11.2021.13254

Nama : Yohanes Dimas Pratama

**Program Login**

Hasil Program:



Code Program:

\*Form\_Login.java

package inventori\_barang;

import java.awt.event.ActionEvent;

import java.awt.event.KeyEvent;

import java.sql.Connection;

import java.sql.SQLException;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.ImageIcon;

public class Form\_Login extends javax.swing.JFrame {

inventori\_barang.Connection\_DB konek = new inventori\_barang.Connection\_DB();

inventori\_barang.Session\_Employee PetugasSession = new inventori\_barang.Session\_Employee();

public Form\_Login() {

ImageIcon img = new ImageIcon("src/inventori\_barang/img/icon.png");

this.setIconImage(img.getImage());

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

btnlogin = new javax.swing.JButton();

txtpassword = new javax.swing.JPasswordField();

jLabel10 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

txtusername = new javax.swing.JTextField();

jPanel1 = new javax.swing.JPanel();

jLabel8 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

btnlogin.setBackground(new java.awt.Color(43, 152, 240));

btnlogin.setFont(new java.awt.Font("Dialog", 1, 18)); // NOI18N

btnlogin.setForeground(new java.awt.Color(255, 255, 255));

btnlogin.setText("LOGIN");

btnlogin.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

btnloginActionPerformed(evt);

}

});

txtpassword.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

txtpasswordKeyPressed(evt);

}

});

jLabel10.setFont(new java.awt.Font("Dialog", 0, 24)); // NOI18N

jLabel10.setIcon(new javax.swing.ImageIcon(getClass().getResource("/inventori\_barang/img/lock.png"))); // NOI18N

jLabel10.setText(" Password");

jLabel9.setFont(new java.awt.Font("Dialog", 0, 24)); // NOI18N

jLabel9.setIcon(new javax.swing.ImageIcon(getClass().getResource("/inventori\_barang/img/username.png"))); // NOI18N

jLabel9.setText(" Username");

txtusername.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyPressed(java.awt.event.KeyEvent evt) {

txtusernameKeyPressed(evt);

}

});

jPanel1.setBackground(new java.awt.Color(255, 105, 105));

jLabel8.setFont(new java.awt.Font("Dialog", 3, 36)); // NOI18N

jLabel8.setForeground(new java.awt.Color(255, 255, 255));

jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel8.setText("Dimpra Autocar 777");

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 70, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 0, Short.MAX\_VALUE))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(btnlogin, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel9)

.addComponent(jLabel10))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(txtpassword, javax.swing.GroupLayout.DEFAULT\_SIZE, 250, Short.MAX\_VALUE)

.addComponent(txtusername))

.addGap(0, 0, Short.MAX\_VALUE)))

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel9)

.addComponent(txtusername, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel10)

.addComponent(txtpassword, javax.swing.GroupLayout.PREFERRED\_SIZE, 32, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addComponent(btnlogin, javax.swing.GroupLayout.PREFERRED\_SIZE, 38, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

pack();

setLocationRelativeTo(null);

}// </editor-fold>

private void btnloginActionPerformed(java.awt.event.ActionEvent evt) {

String row\_txtusername = txtusername.getText();

String row\_txtpassword = new String(txtpassword.getPassword());

try {

Connection conn = konek.openkoneksi();

java.sql.Statement stm = conn.createStatement();

java.sql.ResultSet rsLogin = stm.executeQuery("SELECT \* FROM tmpetugas WHERE username = '" + row\_txtusername + "'");

if (rsLogin.next()) {

if (row\_txtpassword.equals(rsLogin.getString("password"))) {

switch (rsLogin.getString("status")) {

case "aktif":

PetugasSession.setEmployee\_id(rsLogin.getInt("id"));

PetugasSession.setEmployee\_username(rsLogin.getString("username"));

PetugasSession.setEmployee\_name(rsLogin.getString("nama"));

PetugasSession.setEmployee\_status(rsLogin.getString("status"));

new Form\_Dashboard().setVisible(true);

this.dispose();

break;

case "nonaktif":

JOptionPane.showMessageDialog(null, "Akun yang Anda masukkan telah dinonaktifkan. \nSilahkan hubungi Administrator untuk info selanjutnya.");

txtusername.setText("");

txtpassword.setText("");

txtusername.requestFocus();

break;

default:

break;

}

} else {

JOptionPane.showMessageDialog(null, "Username dan password yang Anda masukkan salah. \nSilahkan coba lagi.");

txtusername.setText("");

txtpassword.setText("");

txtusername.requestFocus();

}

} else {

JOptionPane.showMessageDialog(null, "Username dan password yang Anda masukkan salah. \nSilahkan coba lagi.");

txtusername.setText("");

txtpassword.setText("");

txtusername.requestFocus();

}

konek.closekoneksi();

} catch (SQLException e) {

JOptionPane.showMessageDialog(null, "Error " + e);

} catch (ClassNotFoundException ex) {

Logger.getLogger(Form\_Login.class.getName()).log(Level.SEVERE, null, ex);

}

}

private void txtusernameKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == KeyEvent.VK\_ENTER) {

btnloginActionPerformed(new ActionEvent(evt.getSource(), evt.getID(), "Key Press login"));

}

}

private void txtpasswordKeyPressed(java.awt.event.KeyEvent evt) {

if (evt.getKeyCode() == KeyEvent.VK\_ENTER) {

btnloginActionPerformed(new ActionEvent(evt.getSource(), evt.getID(), "Key Press login"));

}

}

public static void main(String args[]) {

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new Form\_Login().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton btnlogin;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPasswordField txtpassword;

private javax.swing.JTextField txtusername;

// End of variables declaration

}