



Course Name: Java Programming with Lab (SWE132)

Project Title: Criminal House DBMS

Project Supervisor

Mushfiqur Rahman

Submitted By

MD MAHBUB ALAM

ID: 151-35-848

Section: C (16th Batch)

Department of SWE, Daffodil International University

Index

| <u><i>Title</i></u> | <u><i>Page Numbers</i></u> |
|-----------------------------------|----------------------------|
| i) Problem Statement | 1 |
| ii) Implementation | 2 |
| iii) System Requirements | 3 |
| iv) Instruction to run the system | 4 |
| v) Source Code | 5 to 18 |
| vi) System Screenshots | 19 to 23 |

Problem Statement/Project Idea

I was asked to solve a problem with GUI for this project. But the problem I've given has no actual conclusion to work with GUI. So I'd changed my decision. I have developed a demo of my main JAVA project. My idea is given below:

Make a dbms system named after- Criminal House DBMS. Which will have following features:

1. It must have a login page, will take user name & password.
2. If password is wrong give chance the user to login again with a message.
3. There it'll have more than sub menu like 'About', 'Criminal Case Entry', 'Search Records', 'Criminal Details', 'Most-wanted List' etc.
4. User can view profile of criminal by clicking on criminal's photo on Most-wanted list.
5. Multiple user can view the entry but to modify the entry Admin privilege is needed must.
6. System should work on Cross-Platform. (On Any OS)
7. System should be fully bug less and faster.
8. System should be very user friendly.

Implementation

As we know, this course is not for actual JAVA Project, so the time is very short for us to complete such as this semi-large project. But, I've tried my best to give a sample which includes the following features:

1. User must Login First to use this system.
2. User will get 3 sub-menu including 'About', 'Criminal Details', 'Most-wanted List'.
3. System is very user friendly.
4. To change any info you must modify in program code as this hasn't admin privilege yet.
5. System is bug less yet now.

System Requirements

A few requirements are needed to run this system successfully. These are:

- i. JRE 1.7 or upper
- ii. Netbeans 8.1 IDE (As the project is developed with it)
- iii. Ram: 100 megabytes
- iv. Hdd: 20 megabytes
- v. Windows 7 or Upper or Linux based OS

Instruction to run

To run this program follow the steps:

1. Download and extract attached (.zip) file
2. Import the project with NetBeans 8.1 IDE (*Eclipse or Other IDE can cause problem*)
3. Find 'One.java' From *Properties > Criminal > Source Packages > Criminal*
4. Right Click on 'One.java' & Select 'Run'
5. After appearing Login menu Use default *Username & Password*
 - *Username: mahbub
 - *Password: mahbub123
6. Enjoy.

Source Code

Giving full source code in report isn't possible to maintain the standard value. So there is given some main codes. Rest of the codes you may find at program files.

Codes for Login Page:

```
package criminal;

import java.awt.Toolkit;

import java.awt.event.WindowEvent;

import javax.swing.JOptionPane;

/* @author Mahbub */

public class One extends javax.swing.JFrame {

    public One() {

        initComponents();

    }

    @SuppressWarnings("unchecked")

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

    private void initComponents() {

        jLabel5 = new javax.swing.JLabel();

        jPanel1 = new javax.swing.JPanel();
```

```
usern = new javax.swing.JTextField();
pass = new javax.swing.JPasswordField();
jButton1 = new javax.swing.JButton();
jLabel2 = new javax.swing.JLabel();
jLabel3 = new javax.swing.JLabel();
username = new javax.swing.JLabel();
password = new javax.swing.JLabel();
jLabel1 = new javax.swing.JLabel();
jLabel5.setText("jLabel5");

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);

jPanel1.setLayout(null);

usern.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        usernActionPerformed(evt); }
});

jPanel1.add(usern);

usern.setBounds(100, 120, 160, 30);

pass.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        passActionPerformed(evt);
    }
}
```



```
});  
  
jPanel1.add(pass);  
  
pass.setBounds(100, 170, 160, 30);  
  
  
jButton1.setBackground(new java.awt.Color(63, 21, 27));  
jButton1.setForeground(new java.awt.Color(255, 255, 255));  
jButton1.setText("OK");  
jButton1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton1ActionPerformed(evt);  
    }  
});  
  
jPanel1.add(jButton1);  
  
jButton1.setBounds(200, 220, 60, 30);  
  
jLabel2.setFont(new java.awt.Font("Showcard Gothic", 1, 24)); // NOI18N  
jLabel2.setForeground(new java.awt.Color(255, 255, 255));  
jLabel2.setText("Welcome to Crime house");  
jPanel1.add(jLabel2);  
  
jLabel2.setBounds(110, 0, 350, 70);  
  
  
jLabel3.setBackground(new java.awt.Color(255, 255, 153));
```

```

jLabel3.setFont(new java.awt.Font("Plantagenet Cherokee", 0, 14)); //
NOI18N

jLabel3.setForeground(new java.awt.Color(255, 255, 0));

jLabel3.setText("If you face any problem to LOGIN, please contact @
01680161682 (Mahbub, Developer)");

jPanel1.add(jLabel3);

jLabel3.setBounds(10, 300, 550, 20);

username.setBackground(new java.awt.Color(111, 61, 61));

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

username.setText("User name");

jPanel1.add(username);

username.setBounds(20, 120, 70, 30);

password.setBackground(new java.awt.Color(111, 61, 61));

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

password.setText("Passcode");

jPanel1.add(password);

password.setBounds(20, 170, 60, 30);


jLabel1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/criminal/guns-girls-mania-mixed-
girl-aiming-a-pistol-at-you-90190.jpg"))); // NOI18N

jLabel1.setMaximumSize(new java.awt.Dimension(580, 350));

jLabel1.setMinimumSize(new java.awt.Dimension(580, 350));

```

```

jLabel1.setPreferredSize(new java.awt.Dimension(580, 350));

jPanel1.add(jLabel1);

jLabel1.setBounds(0, -10, 580, 350);

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.PREFERRED_SIZE, 570,
javax.swing.GroupLayout.PREFERRED_SIZE)

);

layout.setVerticalGroup(

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

        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE, 333,
javax.swing.GroupLayout.PREFERRED_SIZE)

);

pack();

} // </editor-fold>

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

    String Password = pass.getText();

    String Username = usern.getText();

    if(Password.contains("mahbub123")&& Username.contains("mahbub"))

```

```

{
    usern.setText("");
    pass.setText("");
    close();
    home h =new home();
        h.setVisible(true);
}
else{
    JOptionPane.showMessageDialog(null,"This Password is Wrong\n click ok and
try again");
    pass.setText("");
    usern.setText("");
}
}

private void passActionPerformed(java.awt.event.ActionEvent evt) {
}

private void usernActionPerformed(java.awt.event.ActionEvent evt) {
}

public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new One().setVisible(true);

```

```
    }  
    });  
}  
  
// Variables declaration - do not modify  
  
private javax.swing.JButton jButton1;  
  
private javax.swing.JLabel jLabel1;  
  
private javax.swing.JLabel jLabel2;  
  
private javax.swing.JLabel jLabel3;  
  
private javax.swing.JLabel jLabel5;  
  
private javax.swing.JPanel jPanel1;  
  
private javax.swing.JPasswordField pass;  
  
private javax.swing.JLabel password;  
  
private javax.swing.JTextField usern;  
  
private javax.swing.JLabel username;  
  
// End of variables declaration  
  
  
private void close(){  
  
    WindowEvent winClosing=new  
    WindowEvent(this,WindowEvent.WINDOW_CLOSING);  
  
    Toolkit.getDefaultToolkit().getSystemEventQueue().postEvent(winClosing);  
  
}  
  
}
```

Codes for Homepage:

```
package criminal;
```

```
public class home extends javax.swing.JFrame {
```

```
    public home() {
```

```
        initComponents();
```

```
    }
```

```
@SuppressWarnings("unchecked")
```

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

```
private void initComponents() {
```

```
    jButton1 = new javax.swing.JButton();
```

```
    jLabel1 = new javax.swing.JLabel();
```

```
    jButton2 = new javax.swing.JButton();
```

```
    jButton3 = new javax.swing.JButton();
```

```
    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
jButton1.setBackground(new java.awt.Color(96, 1, 27));  
jButton1.setForeground(new java.awt.Color(255, 255, 255));  
jButton1.setText("About");  
jButton1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton1ActionPerformed(evt);  
    }  
});
```

```
jLabel1.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/criminal/fb434711df7619cf1c1e2  
241f9f26895.jpg"))); // NOI18N  
  
jLabel1.setText("jLabel1");
```

```
jButton2.setBackground(new java.awt.Color(96, 1, 27));  
jButton2.setForeground(new java.awt.Color(255, 255, 255));  
jButton2.setText("Most Wanted List");  
jButton2.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton2ActionPerformed(evt);  
    }  
});
```

```

jButton3.setBackground(new java.awt.Color(96, 1, 27));

jButton3.setForeground(new java.awt.Color(255, 255, 255));

jButton3.setText("Criminal Details");

jButton3.addActionListener(new java.awt.event.ActionListener() {

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

        jButton3ActionPerformed(evt);

    }

});

```

```

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

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

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

        .addGroup(layout.createSequentialGroup()

            .addGap(10, 10, 10)

            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE,
386, Short.MAX_VALUE)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE,
150, Short.MAX_VALUE)

            .addContainerGap())

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

```



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

```
    .addGroup(layout.createSequentialGroup()
```

```
        .addGap(26, 26, 26)
```

```
        .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 138,
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
```

```
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
        .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 138,
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()
```

```
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
        .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 138,
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
    .addContainerGap())
```

```
);
```

```
layout.setVerticalGroup(
```

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

```
.addGroup(layout.createSequentialGroup())
```

```
.addContainerGap()
```

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

```
.addGroup(layout.createSequentialGroup())
```

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

```
.addComponent(jLabel1,  
javax.swing.GroupLayout.PREFERRED_SIZE, 407,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addComponent(jButton3,  
javax.swing.GroupLayout.PREFERRED_SIZE, 76,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE))
```

```
.addGroup(layout.createSequentialGroup())
```

```
.addGap(0, 0, Short.MAX_VALUE)
```

```
.addComponent(jButton1,  
javax.swing.GroupLayout.PREFERRED_SIZE, 76,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
.addGap(151, 151, 151)
```

```
.addComponent(jButton2,  
javax.swing.GroupLayout.PREFERRED_SIZE, 76,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addGap(62, 62, 62))))  
  
    );  
  
    pack();  
} // </editor-fold>  
  
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    new About().setVisible(true);  
}  
  
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    new Mostawanted().setVisible(true);  
}  
  
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  
    new Criminaldtls().setVisible(true);  
}  
  
public static void main(String args[]) {  
    java.awt.EventQueue.invokeLater(new Runnable() {  
        public void run() {  
            new home().setVisible(true);  
        }  
    });  
}
```

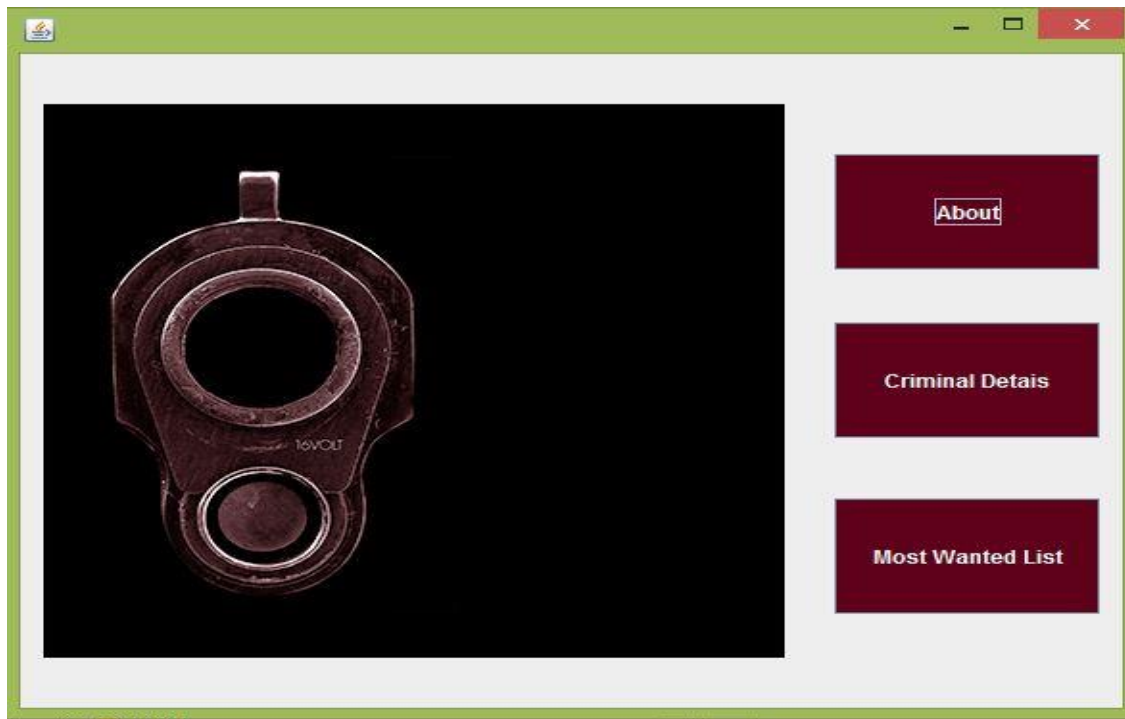
```
    }  
    });  
}  
  
// Variables declaration - do not modify  
private javax.swing.JButton jButton1;  
private javax.swing.JButton jButton2;  
private javax.swing.JButton jButton3;  
private javax.swing.JLabel jLabel1;  
  
// End of variables declaration  
}
```

Screenshot's of the System

1. Login Page



2. Home Page



3. About Page



4. Criminal Details Page



A screenshot of a web application window titled "Criminal Details Page". The window has a light gray background and a standard Windows-style title bar with minimize, maximize, and close buttons. At the top center is a black silhouette of a person holding a handgun. Below this, the following details are listed:

| | |
|-----------------|---------------------------------|
| Catalog Number: | 420 |
| Section: | B-13 |
| Name: | Gunda Robin |
| Adress: | Boropukur, Mogbazar, Dhaka-1251 |
| Murder: | 27* |

5. Most Wanted List Page

