



# North Western University, Khulna

Committed to World Class Education.

## “Lab Report”

- ❖ DEPARTMENT OF – COMPUTER SCIENCE AND ENGINEERING
- ❖ COURSE TITLE – SOFTWARE ENGINEERING SESSIONAL
- ❖ COURSE CODE – CSE-3204

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- Date of submission :24-05-2021

.....  
**Teacher's Signature**

**Project Name:**

House Management System.

**Description:**

We have tried our best to make the complicated process of Design and Development House Management System as simple as possible using Structured & Modular technique & Menu oriented interface. The project type is : Administrator(management of the House).

**Proposed Solution:**

“House Management System” has been designed to computerize the following functions that are performed by the system :

- Add Tenter
- Payment
- Full History
- Update Record
- Delete Tenter Details

This five menu have their own window/interface.

**Main Menu:**

Main window starts as soon as the application starts.

This window gives navigation to other two windows. One Login and the other is Register window.

After Login there has 6 buttons.

- Add Tenter
- Payment
- Full History
- Update Record
- Delete Tenter Details
- Logout

## 1. Add Tenter

In this page we collect the details of a tenter. Such as ,

- Flat No.
- Name
- Gender
- No. of member
- Contact No.
- Address
- NID
- Stating Month

## 2. Payment

In this page we take payment. Such as ,

- Flat No.
- Name
- Date
- Rent Amount
- Electricity Bill
- Gas Bill
- Maintenance
- Total

### **3. Full History**

In this page we can check the full details. Such as ,

- Tenter Details
- Payment Details

### **4. Update Record**

In this page we can update the full details. Such as ,

- Flat No.
- Name
- Gender
- No. of member
- Contact No.
- Address
- NID
- Stating Month

### **5. Delete Tenter Details**

In this page we can delete the full details.

### **6. Logout**

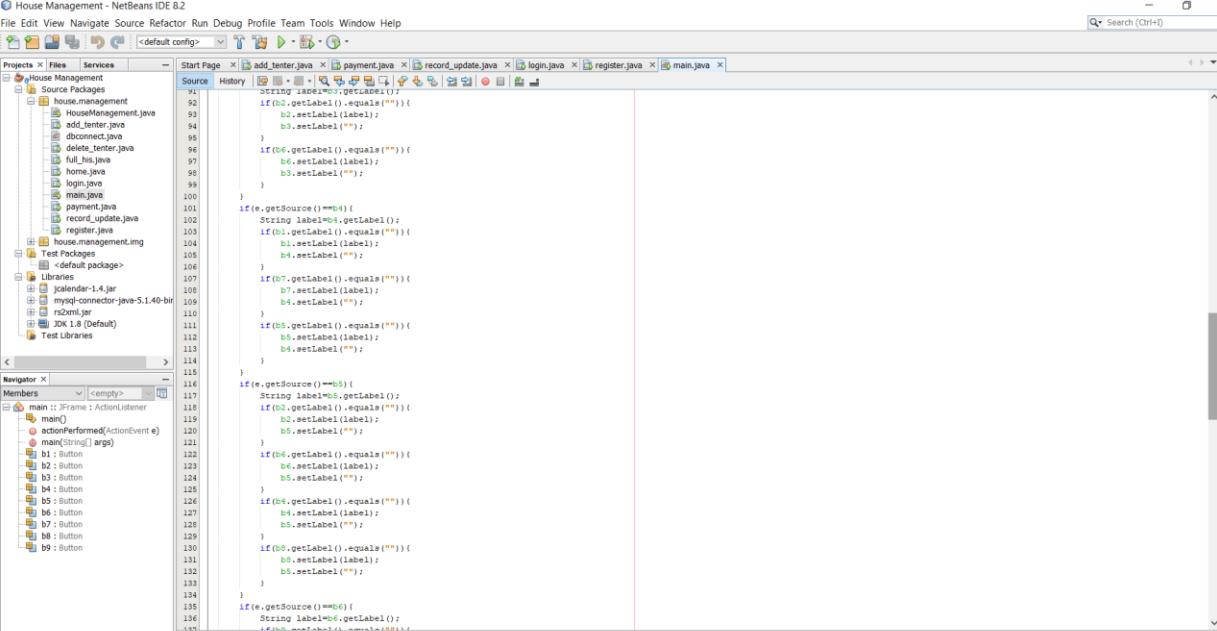
Logout from the application.

## Code Screenshots:

## Main Page Source Code:

The screenshot shows the NetBeans IDE 8.2 interface with the following details:

- Project Tree:** Shows the project structure under "House Management". It includes source packages like "HouseManagement", "house.management", and "Test Packages".
- Code Editor:** The main window displays the content of the file "add\_tenter.java". The code is a Java class with several methods, including a constructor and an actionPerformed method for a JButton.
- Navigator:** Shows the members of the "main" class, including JButton instances b1 through b9 and their corresponding labels b1\_label through b9\_label.
- Output:** A small window at the bottom left shows the output of the build process.
- Toolbar:** Standard NetBeans toolbar with icons for file operations, search, and code navigation.
- MenuBar:** Standard menu items: File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help.
- Search Bar:** Located at the top right of the interface.



```
if(e.getSource() ==b1) {
    String label=b1.getLabel();
    if(B2.getLabel().equals("")){
        b2.setLabel(label);
        b3.setLabel("");
    }
    if(B4.getLabel().equals("")){
        b4.setLabel(label);
        b3.setLabel("");
    }
}
if(e.getSource() ==b2) {
    String label=b2.getLabel();
    if(B1.getLabel().equals("")){
        b1.setLabel(label);
        b4.setLabel("");
    }
}
if(e.getSource() ==b3) {
    String label=b3.getLabel();
    if(B1.getLabel().equals("")){
        b1.setLabel(label);
        b4.setLabel("");
    }
}
if(e.getSource() ==b4) {
    String label=b4.getLabel();
    if(B1.getLabel().equals("")){
        b1.setLabel(label);
        b5.setLabel("");
    }
}
if(e.getSource() ==b5) {
    String label=b5.getLabel();
    if(B2.getLabel().equals("")){
        b2.setLabel(label);
        b6.setLabel("");
    }
}
if(e.getSource() ==b6) {
    String label=b6.getLabel();
    if(B2.getLabel().equals("")){
        b2.setLabel(label);
        b7.setLabel("");
    }
}
if(e.getSource() ==b7) {
    String label=b7.getLabel();
    if(B2.getLabel().equals("")){
        b2.setLabel(label);
        b8.setLabel("");
    }
}
if(e.getSource() ==b8) {
    String label=b8.getLabel();
    if(B2.getLabel().equals("")){
        b2.setLabel(label);
        b9.setLabel("");
    }
}
if(e.getSource() ==b9) {
    String label=b9.getLabel();
    if(B2.getLabel().equals("")){
        b2.setLabel(label);
        b5.setLabel("");
    }
}
```

House Management - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

default config...

Projects Services Start Page add\_tenter.java payment.java record\_update.java login.java register.java main.java

Source History

HouseManagement.java

```

145     b0.setLabel("");
146     if(b7.getLabel().equals("")){ 
147         b7.setLabel(label);
148         b8.setLabel("");
149     }
150     if(b5.getLabel().equals("")){ 
151         b5.setLabel(label);
152         b6.setLabel("");
153     }
154     if(b3.getLabel().equals("")){ 
155         b3.setLabel(label);
156         b4.setLabel("");
157     }
158     if(t.getSource()>0){ 
159         String label=b0.getLabel();
160         if(b6.getLabel().equals("")){ 
161             b6.setLabel(label);
162             b9.setLabel("");
163         }
164         if(b8.getLabel().equals("")){ 
165             b8.setLabel(label);
166             b9.setLabel("");
167         }
168     }
169     //debug code
170     if(b1.getLabel().equals("")&&b2.getLabel().equals("")&&b3.getLabel().equals("")&&b4.getLabel().equals("")&&b5.getLabel().equals("")&&b6.getLabel().equals("")&&b7.getLabel().equals("")&&b8.getLabel().equals("")&&b9.getLabel().equals(""){ 
171         login ln = new login();
172         ln.setVisible(true);
173         this.dispose();
174     }
175 }
176 public static void main(String[] args) {
177     new main();
178 }
179 }
180 }
181 }
182 }
183 }
184 }
185 }
186 }
187 }
188 }
189 }
190 }
191 }
192 }
193 }
194 }
195 }
196 }
197 }
198 }
199 }
200 }
201 }
202 }
203 }
204 }
205 }
206 }

```

Members

main :: JFrame : ActionListener

main()

actionPerformed(ActionEvent e)

main(String[] args)

b1 : JButton

b2 : JButton

b3 : JButton

b4 : JButton

b5 : JButton

b6 : JButton

b7 : JButton

b8 : JButton

b9 : JButton

Output

## Login Source Code:

House Management - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

default config...

Projects Files Services Start Page add\_tenter.java payment.java record\_update.java login.java register.java main.java

Source Design History

house.management

HouseManagement.java

```

1 package house.management;
2
3 import java.awt.*;
4 import java.sql.*;
5 import java.util.logging.Level;
6 import java.util.logging.Logger;
7 import javax.swing.JOptionPane;
8
9 /**
10  * 
11  * @author Anan
12  */
13 public class login extends javax.swing.JFrame {
14
15     /**
16      * Creates new form login
17     */
18     public login() {
19         super("Login");
20         initComponents();
21     }
22
23     /**
24      * This method is called from within the constructor to initialize the form.
25      * WARNING: Do NOT modify this code. The content of this method is always
26      * regenerated by the Form Editor.
27     */
28     @SuppressWarnings("unchecked")
29     // Generated Code
30     private void loginActionPerformed(java.awt.event.ActionEvent evt) { 
31         String username = loginTxt.getText();
32         String password = String.valueOf(log_pass.getPassword());
33         if(username.isEmpty() || password.isEmpty()){
34             JOptionPane.showMessageDialog(this, "Username / Password is empty.", 
35                 "Error", JOptionPane.ERROR_MESSAGE);
36         }
37         else{
38             Connection dbcon = dbconnect.connectDB();
39             if(dbcon != null){
40                 try {
41                     PreparedStatement st = (PreparedStatement)
42                     dbcon.prepareStatement("Select * from useradmin WHERE username = ? AND password = ? ");
43                     st.setString(1, username);
44                     st.setString(2, password);
45                     ResultSet rs = st.executeQuery();
46                     if(rs.next()){
47                         JOptionPane.showMessageDialog(this, "Login successful", "Success", 
48                             JOptionPane.INFORMATION_MESSAGE);
49                     }
50                 } catch (SQLException ex) {
51                     JOptionPane.showMessageDialog(this, "Error: " + ex.getMessage(), "Error", 
52                         JOptionPane.ERROR_MESSAGE);
53                 }
54             }
55         }
56     }
57
58     // Variables declaration - do not modify//GEN-BEGIN:variables
59     private javax.swing.JButton login;
60     private javax.swing.JButton loginAction;
61     private javax.swing.JButton loginTxt;
62     private javax.swing.JButton log_pass;
63     private javax.swing.JButton registration;
64     // End of variables declaration//GEN-END:variables
65 }
66
67 
```

Members

login()

initComponents()

loginActionPerformed(ActionEvent e)

main(String[] args)

registrationActionPerformed(ActionEvent e)

login : JTextField

label1 : JLabel

label2 : JLabel

label3 : JLabel

label4 : JLabel

label5 : JLabel

Panel1 : JPanel

Panel2 : JPanel

log\_pass : JPasswordField

label : JTextField

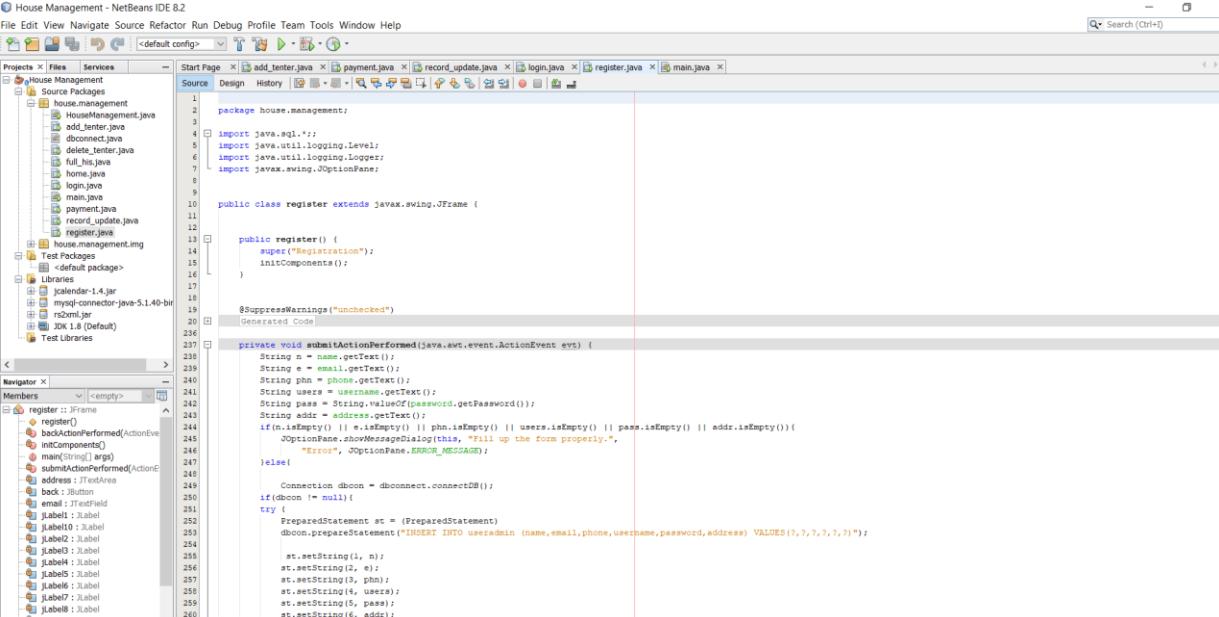
login : JButton

registration : JButton

Output

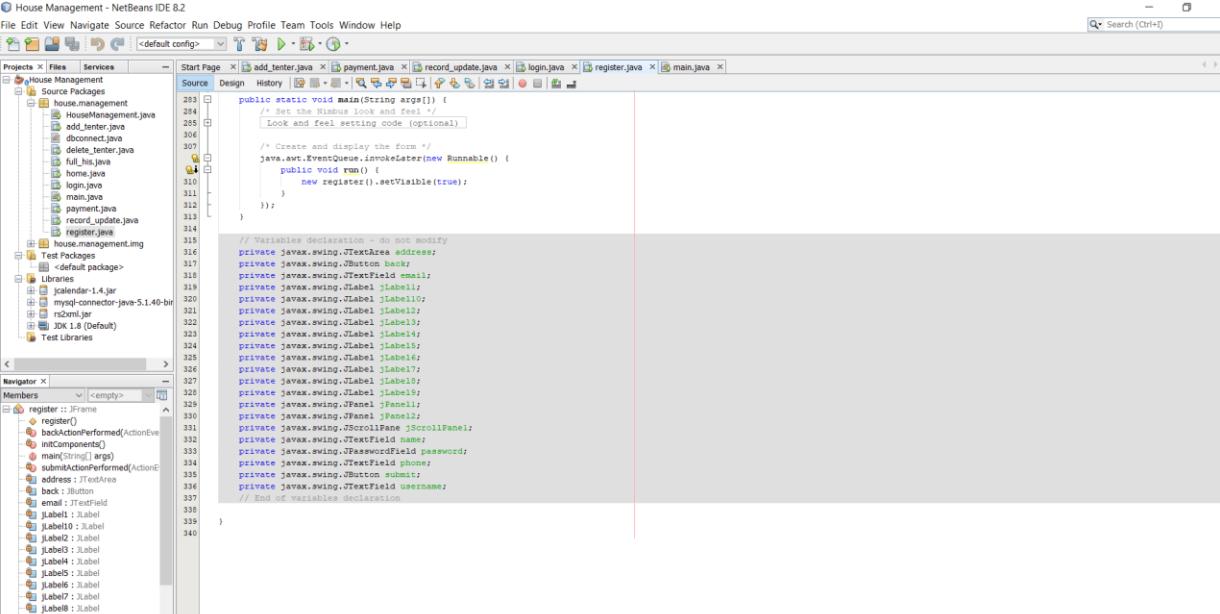


## Register Source Code:



The screenshot shows the NetBeans IDE interface with the following details:

- Top Bar:** House Management - NetBeans IDE 8.2, File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help.
- Toolbar:** Standard NetBeans icons for file operations.
- Projects Tab:** Shows the project structure with packages like house.management and house.management.img, and files such as HouseManagement.java, add\_tenter.java, payment.java, record\_update.java, login.java, register.java, and main.java.
- Code Editor:** The main window displays Java code for the `register` class. The code handles user input validation and database insertion. It includes imports for `java.sql.*`, `java.util.logging.Level`, `java.util.logging.Logger`, and `javax.swing.JOptionPane`. The `submitActionPerformed` method checks for empty fields and then inserts the data into a `useradmin` table using a prepared statement.
- Output Tab:** Shows the results of the code execution.
- Bottom Bar:** Standard NetBeans icons for file operations.



The screenshot shows the NetBeans IDE 8.2 interface with the following details:

- File Menu:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help.
- Toolbar:** Standard Java development tools (File, Edit, Find, Run, etc.).
- Projects View:** Shows a project named "House Management" with a package named "house.management". The package contains several Java files: HouseManagement.java, add\_tenter.java, payment.java, record\_update.java, login.java, register.java, and main.java. It also includes images: house.management.png and house.management.img, and libraries: calendar-1.4.jar, jboss-connector-java-5.1.40-b17.jar, rs2xml.jar, and JDK 1.8 (Default). A "Test Libraries" section is also present.
- Code Editor:** The main window displays the Java code for the "main.java" file. The code sets the Nimbus look and feel, creates and displays a form, and handles various GUI events like button clicks and text field changes. It uses Java Swing components like JTextField, JButton, and JPanel.
- Navigator View:** Shows the class structure for "register.java", including methods like "register()", "backActionPerfomed()", "main()", "submitActionPerfomed()", and "back()", along with their associated code and component declarations.
- Output View:** Shows the build output with a progress bar and a message: "1:1 100%".

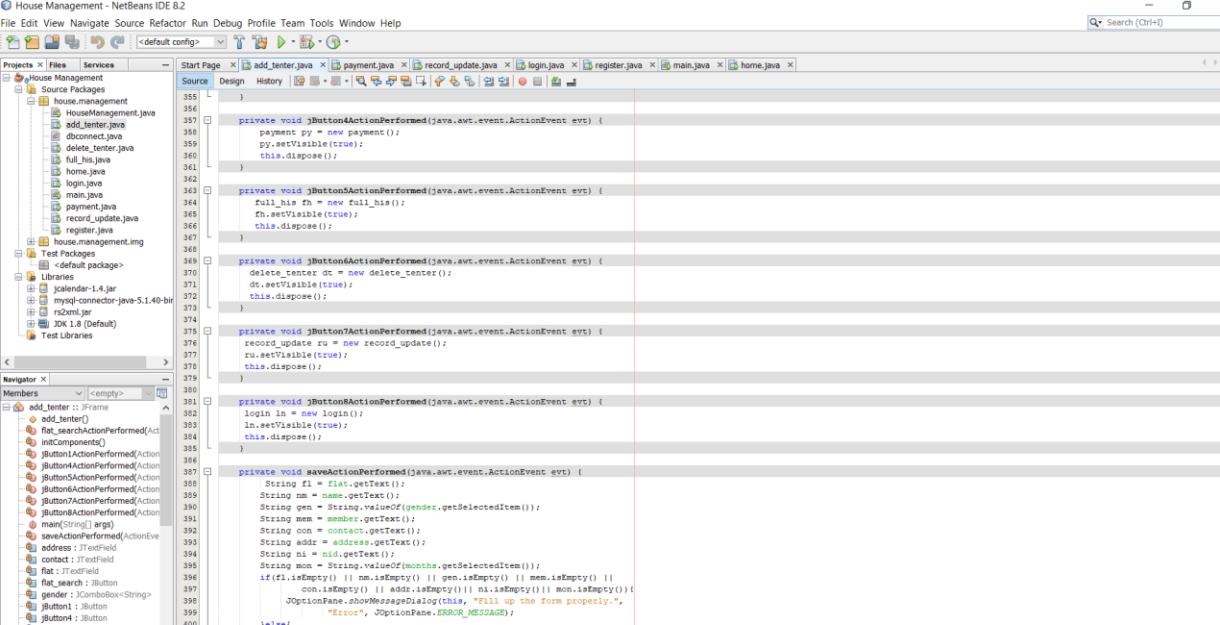
## Home Source Code:

The screenshot shows the NetBeans IDE interface with the following details:

- File Menu:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help.
- Toolbar:** Standard icons for Open, Save, Run, Stop, etc.
- Project Explorer:** Shows the project structure under "House Management".
  - Source Packages: house.management (contains add\_tenter.java, payment.java, record\_update.java, login.java, register.java, home.java).
  - Test Packages: <default package> (contains Test Libraries).
  - Libraries: MySQL Connector/J 5.1.40-bin, rs2xml.jar, JX 1.8 (Default).
- Code Editor:** Displays Java code for the "home" class. The code handles button actions for adding, deleting, and updating records. It uses Java Swing for the GUI and JDBC for database connectivity. The code editor shows line numbers and syntax highlighting.
- Navigator:** Shows the members of the "home" class, including various buttons (jButton1 to jButton9), labels (jLabel1 to jLabel3), panels (jPanel1 to jPanel2), and other components.
- Output:** Shows the build output.

## Add Tenter Source Code:

The screenshot shows the NetBeans IDE interface with the 'House Management' project open. The code editor displays the 'add\_tenter.java' file, which is a Java Swing application for adding a tenter. The code includes imports for java.sql and javax.swing, and a class definition for 'add\_tenter' extending 'JFrame'. It implements the 'ActionListener' interface and contains methods for initializing the form and handling button actions. The Navigator pane shows the members of the 'add\_tenter' class, including various buttons and fields. The top menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help, and a search bar.



House Management - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

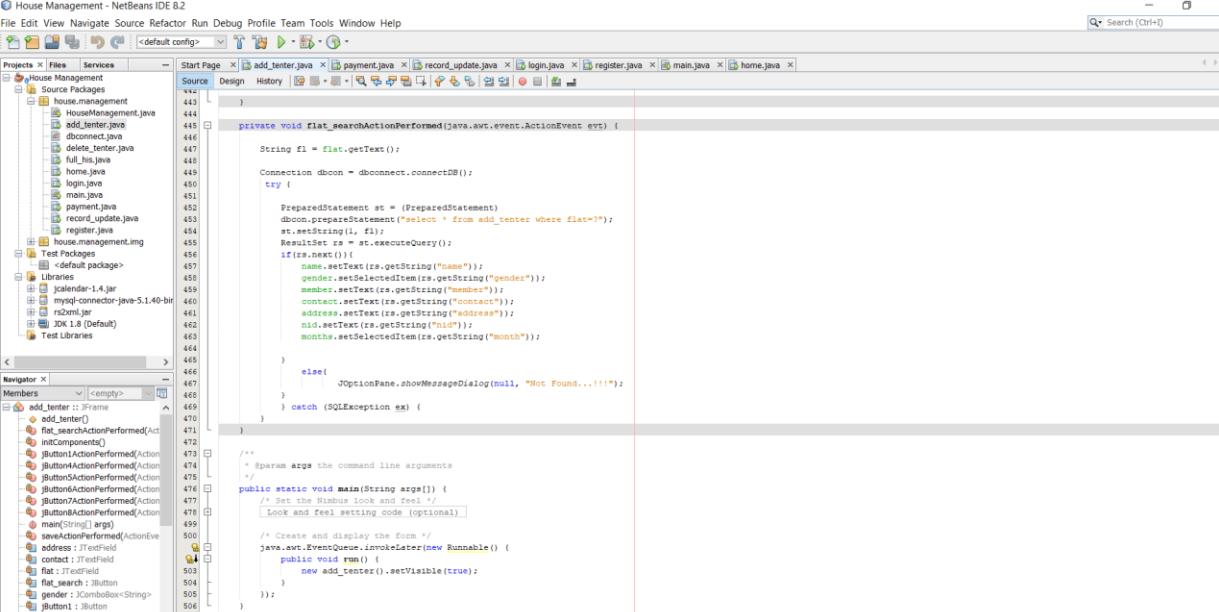
Projects default config

Source Design History ...

Start Page add\_tenter.java payment.java record\_update.java login.java register.java main.java home.java

355 }  
356 }  
357 private void buttonActionPerformed(java.awt.event.ActionEvent evt) {  
358 payment py = new payment();  
359 py.setVisible(true);  
360 this.dispose();  
361 }  
362  
363 private void buttonActionPerformed(java.awt.event.ActionEvent evt) {  
364 full\_fis fb = new full\_fis();  
365 fb.setVisible(true);  
366 this.dispose();  
367 }  
368  
369 private void buttonActionPerformed(java.awt.event.ActionEvent evt) {  
370 delete\_tenter dt = new delete\_tenter();  
371 dt.setVisible(true);  
372 this.dispose();  
373 }  
374  
375 private void buttonActionPerformed(java.awt.event.ActionEvent evt) {  
376 record\_update ru = new record\_update();  
377 ru.setVisible(true);  
378 this.dispose();  
379 }  
380  
381 private void buttonActionPerformed(java.awt.event.ActionEvent evt) {  
382 login\_ln = new login();  
383 ln.setVisible(true);  
384 this.dispose();  
385 }  
386  
387 private void saveActionPerformed(java.awt.event.ActionEvent evt) {  
388 String fl = flt.getText();  
389 String nm = name.getText();  
390 String gen = String.valueOf(gender.getSelectedItem());  
391 String mnm = member.getText();  
392 String add = address.getText();  
393 String addr = address.getText();  
394 String nl = nl.getText();  
395 String mon = String.valueOf(months.getSelectedItem());  
396 if (fl.isEmpty() || nm.isEmpty() || gen.isEmpty() || mnm.isEmpty() ||  
397 con.isEmpty() || add.isEmpty() || nl.isEmpty() || mon.isEmpty()) {  
398 JOptionPane.showMessageDialog(this, "Fill up the form properly.",  
399 "Error", JOptionPane.ERROR\_MESSAGE);  
400 } else {  
401 }  
402 }  
403  
404 ...

Output



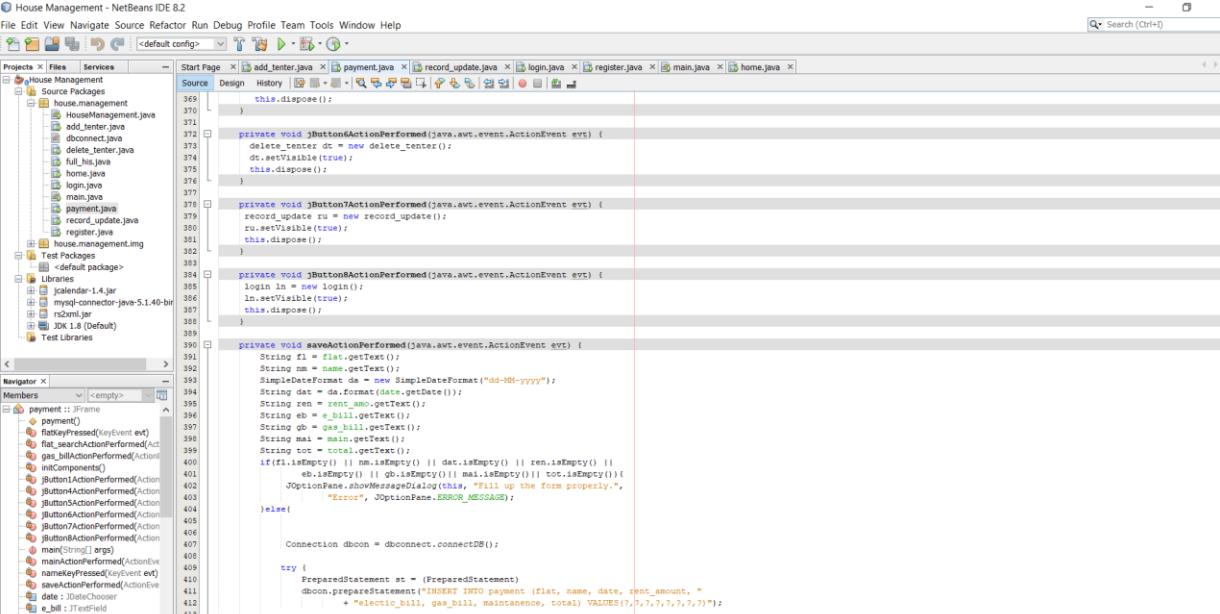
The screenshot shows the NetBeans IDE 8.2 interface with the following details:

- Project:** House Management - NetBeans IDE 8.2
- File:** Start Page (add\_center.java)
- Code:** Java code for the `flat_searchActionPerformed` method. The code uses JDBC to query a database for records where `flat=?`. It then sets the results into various `JTextFields` and `JButtons`. If no record is found, it shows a message dialog. A `SQLException` is caught and handled.

```
private void flat_searchActionPerformed(java.awt.event.ActionEvent evt) {
    String fl = flat.getText();
    Connection diconnect = diconnect.connectDB();
    try {
        PreparedStatement sc = (PreparedStatement) diconnect.prepareStatement("Select * from add_center where flat=?");
        sc.setString(1, fl);
        ResultSet rs = sc.executeQuery();
        if(rs.next()){
            name.setText(rs.getString("name"));
            gender.setText(rs.getString("gender"));
            number.setText(rs.getString("number"));
            contact.setText(rs.getString("contact"));
            address.setText(rs.getString("address"));
            nid.setText(rs.getString("nid"));
            months.setSelectedItem(rs.getString("month"));
        }
        else{
            JOptionPane.showMessageDialog(null, "Not Found...!!!");
        }
    } catch (SQLException ex) {
    }
}
```

- Navigator:** Shows the members of the `add_center` class, including various action listeners for buttons and fields.
- Output:** Shows the build output and other logs.

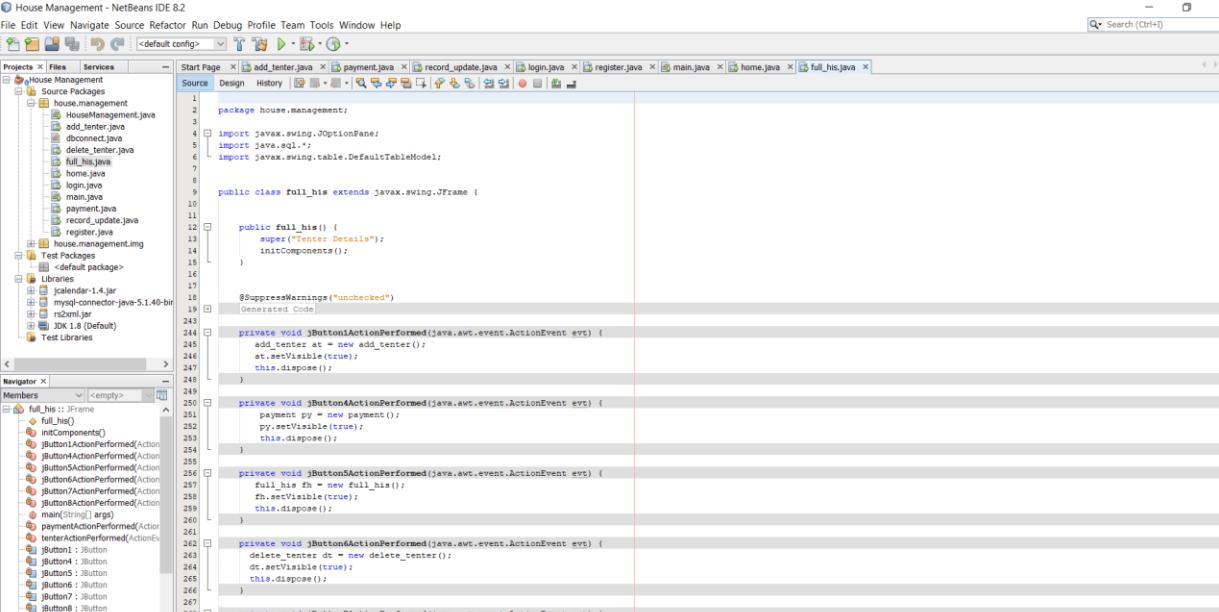
## Payment Source Code:



The screenshot shows the NetBeans IDE interface with the following details:

- File Menu:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help.
- Toolbar:** Standard Java development tools like New, Open, Save, Run, Stop, etc.
- Projects View:** Shows the project structure with packages like `HouseManagement` and `HouseManagement`, and files like `add_tenter.java`, `payment.java`, `record_update.java`, `login.java`, `register.java`, `main.java`, and `home.java`.
- Code Editor:** The main window displays Java code for the `payment` class. The code handles various button actions (e.g., `buttonActionPerfomed`) and performs database operations using JDBC. It includes imports for `java.awt.event.ActionEvent`, `java.awt.event.ActionListener`, and `java.sql.Connection`.
- Output View:** Located at the bottom, showing the build and run logs.

## Full History Source Code:



House Management - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

<default config>

Projects X Files Services Start Page add\_tenter.java payment.java record\_update.java login.java register.java main.java home.java full\_his.java

Source Design History

1 package house.management;

2

3 import javax.swing.JOptionPane;

4 import java.sql.\*;

5 import javax.swing.table.DefaultTableModel;

6

7

8

9

10

11

12 public class full\_his extends javax.swing.JFrame {

13

14     public full\_his() {

15         super("Tenter Details");

16         initComponents();

17     }

18

19     @Generated Code

20

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

22         add\_tenter ar = new add\_tenter();

23         ar.setVisible(true);

24         this.dispose();

25     }

26

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

28         payment py = new payment();

29         py.setVisible(true);

30         this.dispose();

31     }

32

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

34         full\_his fh = new full\_his();

35         fh.setVisible(true);

36         this.dispose();

37     }

38

39     private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

40         delete\_tenter dt = new delete\_tenter();

41         dt.setVisible(true);

42         this.dispose();

43     }

44

45     private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {

46         record\_update ru = new record\_update();

47         ru.setVisible(true);

48         this.dispose();

49     }

50

51     private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {

52         register r = new register();

53         r.setVisible(true);

54         this.dispose();

55     }

56

57     private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {

58         login l = new login();

59         l.setVisible(true);

60         this.dispose();

61     }

62

63     private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {

64         main m = new main();

65         m.setVisible(true);

66         this.dispose();

67     }

68

69     private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {

70         home h = new home();

71         h.setVisible(true);

72         this.dispose();

73     }

74

75     private void jButton10ActionPerformed(java.awt.event.ActionEvent evt) {

76         tenter tenter = new tenter();

77         tenter.setVisible(true);

78         this.dispose();

79     }

80

81     private void jButton11ActionPerformed(java.awt.event.ActionEvent evt) {

82         System.exit(0);

83     }

84

85     private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {

86         System.exit(0);

87     }

88 }

full\_his :: JFrame

Members

full\_his :: JFrame

full\_his()

initComponents()

add\_tenter()

delete\_tenter()

record\_update()

login()

register()

main()

home()

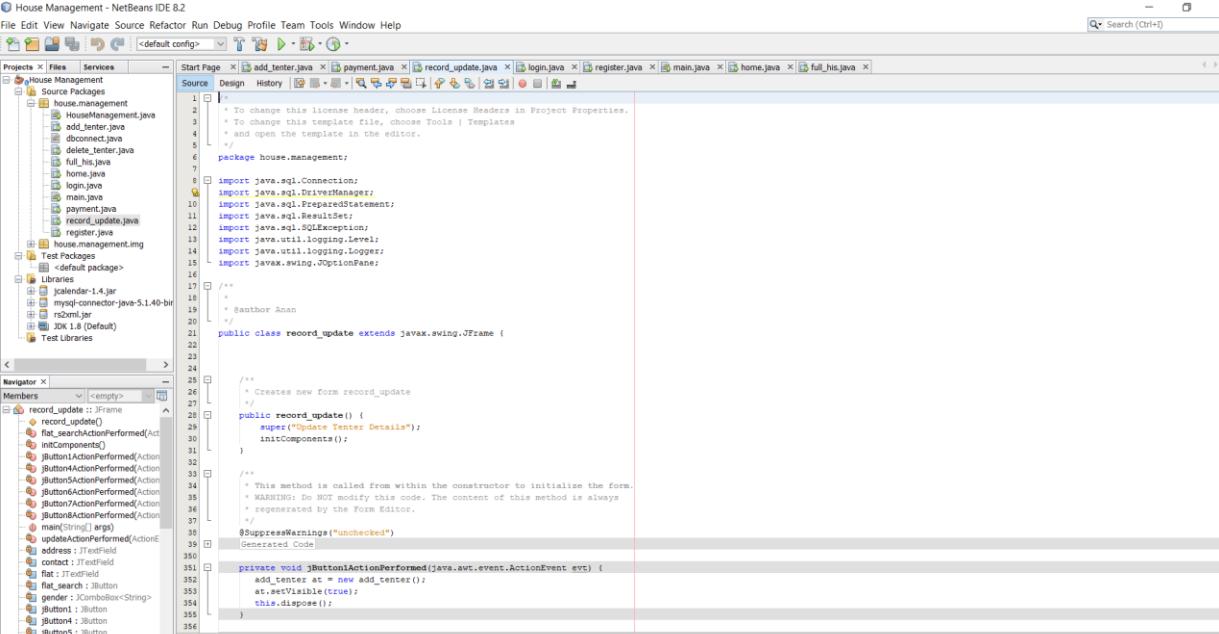
tenter()

System.exit(0)

Output X



## Update Record Source Code:



House Management - NetBeans IDE 8.2

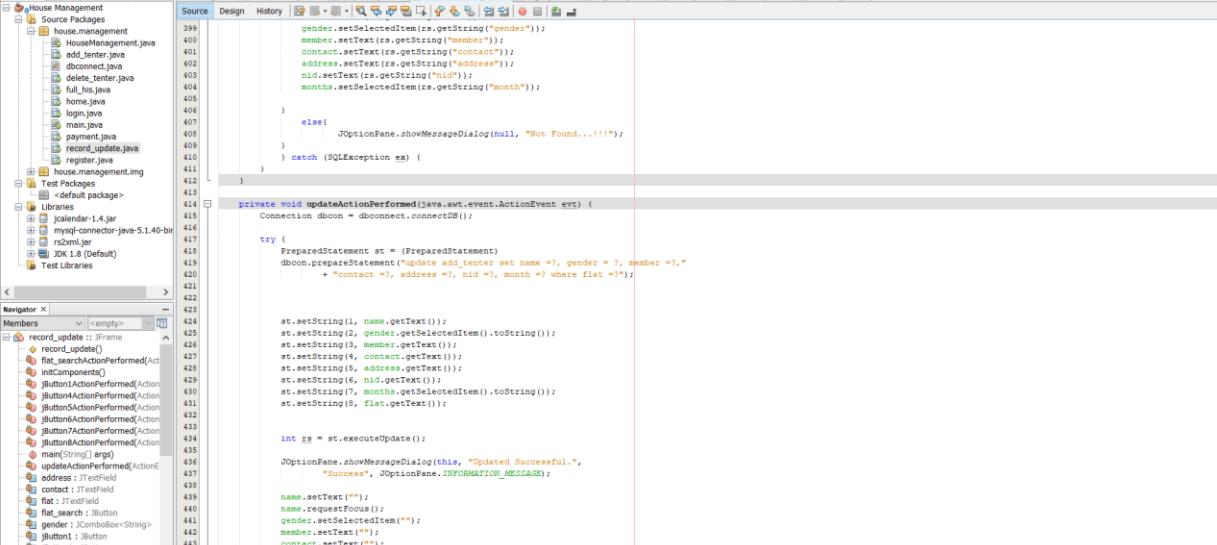
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

Search (Ctrl+F)

Projects **house.management** Files Services Start Page **record\_update.java** payment.java record\_update.java login.java register.java main.java home.java full\_hits.java

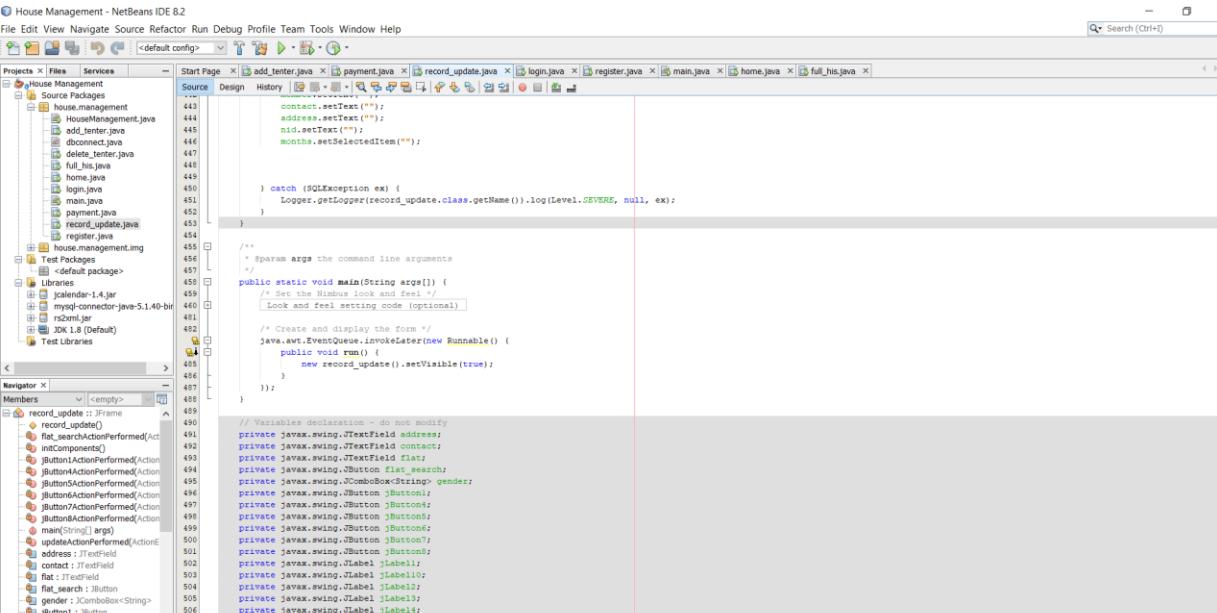
Source Design History **record\_update.java**

```
1  /* To change this license header, choose License Headers in Project Properties.
2  2  To change this template file, choose Tools | Templates
3  3  and open the template in the editor.
4  4 */
5  */
6  package house.management;
7
8  import java.sql.Connection;
9  import java.sql.DriverManager;
10 import java.sql.PreparedStatement;
11 import java.sql.ResultSet;
12 import java.sql.SQLException;
13 import java.util.logging.Level;
14 import java.util.logging.LogRecord;
15 import javax.swing.JOptionPane;
16
17 /**
18 * @author Anan
19 */
20
21 public class record_update extends javax.swing.JFrame {
22
23
24 /**
25 * Creates new form record_update
26 */
27 public record_update() {
28     super("Update Tenter Details");
29     initComponents();
30 }
31
32 /**
33 * This method is called from within the constructor to initialize the form.
34 * WARNING: Do NOT modify this code. The content of this method is always
35 * regenerated by the Form Editor.
36 */
37 @SuppressWarnings("unchecked")
38 Generated Code
39
40 private void jButtonActionPerformed(java.awt.event.ActionEvent evt) {
41     add_tenter at = new add_tenter();
42     at.setVisible(true);
43     at.setDefaultCloseOperation(JFrame.DISPOSE_ON_CLOSE);
44 }
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```



The screenshot shows the NetBeans IDE interface with the following details:

- Project Explorer:** Shows the project structure under "House Management".
  - Source Packages: house.management (395 files)
  - Test Packages: (1 file)
  - Libraries: Joda Time 2.3, MySQL Connector/J 5.1.40, and JUnit 4.12.
- Code Editor:** The main editor window displays Java code for an "updateActionPerformed" method in "record\_update.java". The code handles updating a record in a database table named "add\_tenter". It uses JDBC to prepare a statement and execute an update. It also handles various UI component interactions like setting text and selecting items from dropdowns.
- Navigator:** Shows the members of the "record\_update" class, including various JButton and JTextField components.
- Output:** The bottom panel shows the output of the build process.



House Management - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

default config >

Projects > Files > Services > Start Page > add\_tenter.java > payment.java > record\_update.java > login.java > register.java > main.java > home.java > full\_his.java

Source Design History

```
443         contact.setText("");
444         address.setText("");
445         nid.setText("");
446         months.setSelectedItem("");
447
448
449     } catch (SQLException ex) {
450         Logger.getLogger(record_update.class.getName()).log(Level.SEVERE, null, ex);
451     }
452 }
453
454 /**
455  * @param args the command line arguments
456 */
457 public static void main(String args[]) {
458     /* Set the Nimbus look and feel */
459     Look and feel setting code (optional)
460
461     /* Create and display the form */
462     java.awt.EventQueue.invokeLater(new Runnable() {
463         public void run() {
464             new record_update().setVisible(true);
465         }
466     });
467 }
468
469 // Variables declaration - do not modify
470 private javax.swing.JTextField address;
471 private javax.swing.JTextField contact;
472 private javax.swing.JButton flat;
473 private javax.swing.JButton flat_search;
474 private javax.swing.JComboBox<String> gender;
475 private javax.swing.JButton jButton1;
476 private javax.swing.JButton jButton2;
477 private javax.swing.JButton jButton3;
478 private javax.swing.JButton jButton4;
479 private javax.swing.JButton jButton5;
480 private javax.swing.JButton jButton6;
481 private javax.swing.JButton jButton7;
482 private javax.swing.JButton jButton8;
483 private javax.swing.JLabel jLabel1;
484 private javax.swing.JLabel jLabel10;
485 private javax.swing.JLabel jLabel11;
486 private javax.swing.JLabel jLabel12;
487 private javax.swing.JLabel jLabel13;
488 private javax.swing.JLabel jLabel14;
489 private javax.swing.JLabel jLabel15;
490 private javax.swing.JLabel jLabel16;
```

Members > <empty>

record\_update ::> record\_update()

flat\_searchPerformed(ActionEvent e)

inContactPerformed(ActionEvent e)

flatActionPerformed(ActionEvent e)

flatSearchActionPerformed(ActionEvent e)

genderActionPerformed(ActionEvent e)

mainString(ActionEvent e)

addressPerformed(ActionEvent e)

address : JTextField

contact : JTextField

flat : JTextField

flat\_search : JButton

gender : JComboBox<String>

jButton1 : JButton

jButton2 : JButton

jButton3 : JButton

jButton4 : JButton

jButton5 : JButton

jButton6 : JButton

jButton7 : JButton

jButton8 : JButton

jLabel1 : JLabel

jLabel10 : JLabel

jLabel11 : JLabel

jLabel12 : JLabel

jLabel13 : JLabel

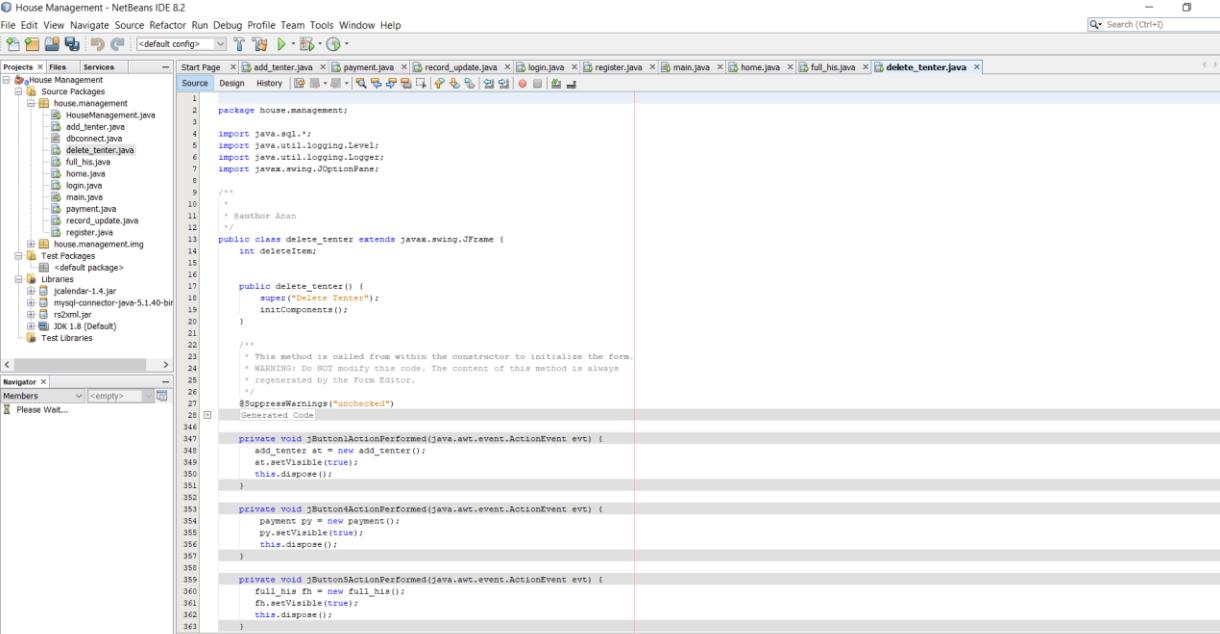
jLabel14 : JLabel

jLabel15 : JLabel

jLabel16 : JLabel

Output X

## **Delete Tenter Source Code:**



The screenshot shows the NetBeans IDE interface with the following details:

- File Menu:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help.
- Toolbar:** Standard NetBeans toolbar with icons for file operations.
- Project Explorer (Projects Tab):** Shows the project structure with packages: House Management and house.management, and files: HouseManagement.java, add\_tenter.java, payment.java, record\_update.java, login.java, register.java, main.java, home.java, login.java, main.java, payment.java, record\_update.java, register.java, and house.management.img.
- Code Editor:** The main window displays the Java code for the `delete_tenter` class. The code includes imports for `java.sql.*`, `java.util.logging.Level`, `java.util.logging.Logger`, and `javax.swing.JOptionPane`. It defines a constructor that initializes the form and a `dispose()` method that calls `super.dispose()`. The code also contains several `private void` methods for button actions: `buttonActionPerfomed` for adding a tenter, `buttonActionPerfomed` for displaying a payment, and `buttonActionPerfomed` for displaying a full his.
- Output Tab:** Shows the output of the build process.
- Bottom Status Bar:** Displays the build number (45) and the current time (1:1).

House Management - NetBeans IDE 8.2

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

default config...

Projects Files Services Start Page add\_tenter.java payment.java record\_update.java login.java register.java main.java home.java full\_his.java delete\_tenter.java

Source Design History

House Management

- Source Packages
- HouseManagement
- HouseManagement.java
- add\_tenter.java
- dbconnect.java
- delete\_tenter.java
- full\_his.java
- home.java
- login.java
- main.java
- payment.java
- record\_update.java
- register.java
- start.java
- house.management

Test Packages

- default package

Libraries

- calendar-1.4.jar
- java-connector-java-5.1.40-b1
- hibernate-jpa-2.1.0
- hibernate-jpql-5.1.40-b1
- hibernate-orm-5.1.40-b1
- hibernate-validator-5.2.4.Final
- IDE 1.8 (Default)
- Test Libraries

Navigator

Members <empty>

Please Wait...

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {  
    delete_tenter dt = new delete_tenter();  
    dt.setVisible(true);  
    dt.dispose();  
}  
  
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {  
    record_update ra = new record_update();  
    ra.setVisible(true);  
    ra.dispose();  
}  
  
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {  
    login_in ln = new login_in();  
    ln.setVisible(true);  
    ln.dispose();  
}  
  
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {  
    String fl = flat.getText();  
  
    Connection diconn = dbconnect.connectDB();  
    try {  
        PreparedStatement st = (PreparedStatement) diconn.prepareStatement("select * from add_tenter where flat=?");  
        st.setString(1, fl);  
        ResultSet rs = st.executeQuery();  
        if(rs.next()) {  
            name.setText(rs.getString("name"));  
            gender.setSelectedItem(rs.getString("gender"));  
            member.setText(rs.getString("member"));  
            contact.setText(rs.getString("contact"));  
            address.setText(rs.getString("address"));  
            nid.setText(rs.getString("nid"));  
            months.setSelectedItem(rs.getString("month"));  
        }  
        else {  
            JOptionPane.showMessageDialog(null, "Not Found...!!!");  
        }  
    } catch (SQLException ex) {  
    }  
}
```

Output

House Management - NetBeans IDE 8.2

```
private void deleteActionPerfomed(javax.swing.event.ActionEvent evt) {
    Connection dbcon = dbconnect.connectDB();
    try {
        deleteItem = JOptionPane.showConfirmDialog(null, "Confirm if you want to delete info", "Warning", JOptionPane.YES_NO_OPTION);
        if (deleteItem == JOptionPane.YES_OPTION) {
            PreparedStatement st = (PreparedStatement) dbcon.prepareStatement("Delete from add_tenter where flat = ?");
            st.setString(1, flat.getText());
            int rs = st.executeUpdate();
            JOptionPane.showMessageDialog(this, "Delete Successful.", "Success", JOptionPane.INFORMATION_MESSAGE);
            name.setText("");
            name.requestFocus();
            gender.setSelectedItem("");
            member.setText("");
            contact.setText("");
            address.setText("");
            nid.setText("");
            months.setSelectedItem("");
        }
    } catch (SQLException ex) {
        Logger.getLogger(delete_tenter.class.getName()).log(Level.SEVERE, null, ex);
    }
}
```

Output x

House Management - NetBeans IDE 8.2

```
private void deleteActionPerfomed(javax.swing.event.ActionEvent evt) {
    Connection dbcon = dbconnect.connectDB();
    try {
        deleteItem = JOptionPane.showConfirmDialog(null, "Confirm if you want to delete info", "Warning", JOptionPane.YES_NO_OPTION);
        if (deleteItem == JOptionPane.YES_OPTION) {
            PreparedStatement st = (PreparedStatement) dbcon.prepareStatement("Delete from add_tenter where flat = ?");
            st.setString(1, flat.getText());
            int rs = st.executeUpdate();
            JOptionPane.showMessageDialog(this, "Delete Successful.", "Success", JOptionPane.INFORMATION_MESSAGE);
            name.setText("");
            name.requestFocus();
            gender.setSelectedItem("");
            member.setText("");
            contact.setText("");
            address.setText("");
            nid.setText("");
            months.setSelectedItem("");
        }
    } catch (SQLException ex) {
        Logger.getLogger(delete_tenter.class.getName()).log(Level.SEVERE, null, ex);
    }
}

public static void main(String args[]) {
    /* Set the Nimbus look and feel
     * Look and feel setting code (optional)
     */
    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new delete_tenter().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JTextField address;
private javax.swing.JButton cancel;
private javax.swing.JButton delete;
private javax.swing.JTextField flat;
private javax.swing.JButton flat_search;
private javax.swing.JComboBox<String> gender;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
private javax.swing.JButton jButton6;
private javax.swing.JButton jButton7;
private javax.swing.JButton jButton8;
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private javax.swing.JLabel jLabel97;
private javax.swing.JLabel jLabel98;
private javax.swing.JLabel jLabel99;
private javax.swing.JLabel jLabel99;
```

Output x

## **Reference:**

[Java Tutorial \(w3schools.com\)](https://www.w3schools.com/java/)

[Java Tutorial - Tutorialspoint](https://www.tutorialspoint.com/java/index.htm)

[Java | How to start learning Java - GeeksforGeeks](https://www.geeksforgeeks.org/learn-java/)