



Bahria University
Discovering Knowledge

BAHRIA UNIVERSITY,
(Karachi Campus)
Department of Software Engineering
Assignment#03– Spring 2023

COURSE TITLE: **OOP**
Class: **BSE 2A/2B/2C**
Course Instructor: **ENGR. MAHAWISH**
Max. Marks: **10 Points: CLO 3**
Name: **Abdul Wahab Aslam**

COURSE CODE: **CSC-210**
Shift: **Morning**
Assignment Date: **12th May 2023**
Assignment Due: **29th May 2023**
Enrollment: **02-131222-132**

Q1: Apply OOP principles and design general admission registration form as shown below:

General Admission Registration

Name

Email

Gender ☐ Male ☐ Female

Phone

Emergency Contact

Do you require parking?

☐ Yes ☐ No

What is your room preference?

☐ Single Room
☐ Shared Room
☐ No Room Needed

Do you have dietary restrictions?

☐ None
☐ Vegetarian
☐ Gluten Allergy
☐ Lactose Allergy
☐ Nut Allergy
☐ Shellfish Allergy

What activities will you attend?

☐ Awards Gala Dinner
☐ Luncheon
☐ Town Hall

Do you want to see the list of other attendees and their profiles on the official event app?

☐ Yes ☐ No

Submit

Clear

OUTPUT:

My Project

General Admission Registration

Name

Email

Gender ☐ Male ☐ Female

Phone

Emergency Contact

Do you Require Parking?
☐ Yes ☐ No

What is your room prefere...
☐ Single Room
☐ Shared Room
☐ No Room Needed

Do you have Diretary restrictions?
☐ None
☐ Vegetarian
☐ Gluten Allergy
☐ Loctose Allergy
☐ Nut Allergy
☐ Shellfish Allergy

What activities will you attend?
☐ Awards Dala Dinner
☐ Luncheon
☐ Town Hall

Do you want to see the list of other attendance and their profile on the official event page?
☐ Yes ☐ No

My Project

General Admission Registration

Name

Email

Gender ☒ Male ☐ Female

Phone

Emergency Contact

Do you Require Parking?
☐ Yes ☒ No

What is your room prefere...
☒ Single Room
☐ Shared Room
☐ No Room Needed

Do you have Diretary restrictions?
☒ None
☐ Vegetarian
☐ Gluten Allergy
☐ Loctose Allergy
☐ Nut Allergy
☐ Shellfish Allergy

What activities will you attend?
☐ Awards Dala Dinner
☐ Luncheon
☒ Town Hall

Do you want to see the list of other attendance and their profile on the official event page?
☒ Yes ☐ No



My Project

General Admission Registration

Name

Abdulwahab

aslam

Email

abduhwahab55@gmail.com

Gender

☒ Male

☐ Female

Phone

0355-656634

Emergency Contact

0322-5567754

Do you Require Parking?

☒ Yes

☒ No

What is your room prefere...

☒ Single Room

☐ Shared Room

☐ No Room Needed

Do you have Diretary restrictions?

☒ None

☐ Vegetarian

☐ Gluten Allergy

☐ Loctose Allergy

☐ Nut Allergy

☐ Shellfish Allergy

What activities will you attend?

☐ Awards Dala Dinner

☒ Luncheon

☒ Town Hall

Do you want to see the list of other attendance and their profile on the official event page?

☒ Yes

☐ No

Sumbit

Clear

Clear

?

Do you want clear all information?

Yes

No

General Admission Registration

Name

Email

Gender ☐ Male ☐ Female

Phone

Emergency Contact

Do you Require Parking?
☐ Yes ☐ No

What is your room prefe...
☐ Single Room
☐ Shared Room
☐ No Room Needed

Do you have Diretary restrictions?
☐ None
☐ Vegetarian
☐ Gluten Allergy
☐ Loctose Allergy
☐ Nut Allergy
☐ Shellfish Allergy

What activities will you attend?
☐ Awards Dala Dinner
☐ Luncheon
☐ Town Hall

Do you want to see the list of other attendance and their profile on the official event page?
☐ Yes ☐ No

Code:

```
import javax.swing.JOptionPane;
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to
change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/GUIForms/JFrame.java to edit this
template
 */

/**
```

```

*
* @author user
*/
public class NewJFrame extends javax.swing.JFrame {

    /**
     * Creates new form NewJFrame
     */
    public NewJFrame() {
        initComponents();
    }

    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        buttonGroup1 = new javax.swing.ButtonGroup();
        buttonGroup2 = new javax.swing.ButtonGroup();
        HLabel1 = new javax.swing.JLabel();
        NameLabel = new javax.swing.JLabel();
        FNameTxt = new javax.swing.JTextField();
        LNameTxt = new javax.swing.JTextField();
        ELabel1 = new javax.swing.JLabel();
        EmailTxt = new javax.swing.JTextField();
        GLabel1 = new javax.swing.JLabel();
        MRadioButton1 = new javax.swing.JRadioButton();
        FRadioButton2 = new javax.swing.JRadioButton();
        pLabel1 = new javax.swing.JLabel();
        PhoneTxt1 = new javax.swing.JTextField();
        EmeLabel1 = new javax.swing.JLabel();
        EmercntTxt = new javax.swing.JTextField();
        iLabel1 = new javax.swing.JLabel();
        jRadioButton1 = new javax.swing.JRadioButton();
        jRadioButton2 = new javax.swing.JRadioButton();
        iLabel2 = new javax.swing.JLabel();
    }

```

```

jRadioButton3 = new javax.swing.JRadioButton();
jRadioButton4 = new javax.swing.JRadioButton();
jRadioButton5 = new javax.swing.JRadioButton();
qLabel3 = new javax.swing.JLabel();
jRadioButton6 = new javax.swing.JRadioButton();
jRadioButton7 = new javax.swing.JRadioButton();
jRadioButton8 = new javax.swing.JRadioButton();
jRadioButton9 = new javax.swing.JRadioButton();
jRadioButton10 = new javax.swing.JRadioButton();
jRadioButton11 = new javax.swing.JRadioButton();
jLabel1 = new javax.swing.JLabel();
jRadioButton12 = new javax.swing.JRadioButton();
jRadioButton13 = new javax.swing.JRadioButton();
jRadioButton14 = new javax.swing.JRadioButton();
jRadioButton15 = new javax.swing.JRadioButton();
jRadioButton16 = new javax.swing.JRadioButton();
jLabel2 = new javax.swing.JLabel();
Submitbtn = new javax.swing.JButton();
Clearbtn = new javax.swing.JButton();
jLabel3 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
setTitle("My Project");

HLabel1.setText("General Admission Registration");

NameLable.setText("Name");

FNameTxt.setToolTipText("");
FNameTxt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        FNameTxtActionPerformed(evt);
    }
});

LNameTxt.setDisabledTextColor(new java.awt.Color(0, 0, 0));
LNameTxt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        LNameTxtActionPerformed(evt);
    }
}

```

```

});

ELabel1.setText("Email");

EmailTxt.setFont(new java.awt.Font("Times New Roman", 0, 14)); // NOI18N
EmailTxt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        EmailTxtActionPerformed(evt);
    }
});

GLabel1.setText("Gender");

MRadioButton1.setText("Male");

FRadioButton2.setText("Female");

pLabel1.setText("Phone");

PTextField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        PTextField1ActionPerformed(evt);
    }
});

EmeLabel1.setText("Emergency Contact");

EmerTextField1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        EmerTextField1ActionPerformed(evt);
    }
});

iLabel1.setText("Do you Require Parking?");

jRadioButton1.setText("Yes");
jRadioButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton1ActionPerformed(evt);
    }
}

```



```

});

jRadioButton2.setText("No");
jRadioButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton2ActionPerformed(evt);
    }
});

iLabel2.setText("What is your room preference?");

jRadioButton3.setText("Single Room");

jRadioButton4.setText("Shared Room");

jRadioButton5.setText("No Room Needed");
jRadioButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton5ActionPerformed(evt);
    }
});

qLabel3.setText("Do you have Diretary restrictions?");

jRadioButton6.setText("None");
jRadioButton6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton6ActionPerformed(evt);
    }
});

jRadioButton7.setText("Vegetarian");

jRadioButton8.setText("Glutten Allergy");

jRadioButton9.setText("Loctose Allergy");
jRadioButton9.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton9ActionPerformed(evt);
    }
}

```

```

});

jRadioButton10.setText("Nut Allergy");
jRadioButton10.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton10ActionPerformed(evt);
    }
});

jRadioButton11.setText("Shellfish Allergy");
jRadioButton11.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jRadioButton11ActionPerformed(evt);
    }
});

jLabel1.setText("What activities will you attend?");

jRadioButton12.setText("Awards Gala Dinner");

jRadioButton13.setText("Luncheon");

jRadioButton14.setText("Town Hall");

jRadioButton15.setText("Yes");

jRadioButton16.setText("No");

jLabel2.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);
jLabel2.setText("Do you want to see the list of other attendance");
jLabel2.setToolTipText("");
jLabel2.setHorizontalTextPosition(javax.swing.SwingConstants.CENTER);

Submitbtn.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
Submitbtn.setText("Submit");

Submitbtn.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.
BevelBorder.RAISED));
Submitbtn.setMaximumSize(new java.awt.Dimension(82, 23));
Submitbtn.setMinimumSize(new java.awt.Dimension(82, 23));

```

```

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

Clearbtn.setFont(new java.awt.Font("Times New Roman", 1, 14)); // NOI18N
Clearbtn.setText("Clear");

Clearbtn.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED));
Clearbtn.setMaximumSize(new java.awt.Dimension(82, 30));
Clearbtn.setMinimumSize(new java.awt.Dimension(82, 30));
Clearbtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        ClearbtnActionPerformed(evt);
    }
});

private void FNameTxtActionPerformed(java.awt.event.ActionEvent evt) {
    if(FNameTxt.getText().equals("")){
        FNameTxt.setText("FirstName");
        FNameTxt.setForeground(Color.black);
    }
private void FNameTxtActionLost(java.awt.event.ActionEvent evt){
    if(FNameTxt.getText().equals("")){
        FNameTxt.setText("First Name");
        FNameTxt.setForeground(new Color(153,153,153));
    } // TODO add your handling code here:
}

private void LNameTxtActionPerformed(java.awt.event.ActionEvent evt) {
    if(LNameTxt.getText().equals("")){
        LNameTxt.setText("LastName");
        LNameTxt.setForeground(Color.black);
    }
private void LNameTxtActionLost(java.awt.event.ActionEvent evt) {
    if(LNameTxt.getText().equals("")){
        LNameTxt.setText("LastName");LNameTxt.setForeground(new
        Color(153,153,153));
    }
    // TODO add your handling code here:
}

```

```

    }
    private void EmailTxtActionPerformed(java.awt.event.ActionEvent evt) {
        if(EmailTxt.getText().equals("sample@example.com")){
            EmailTxt.setText(""); EmailTxt.setForeground(Color.black);
        } // TODO add your handling code here:
    }

    private void EmailTxtActionLost(java.awt.event.ActionsEvent evt) {
        if(EmailTxt.getText().equals("")){
            EmailTxt.setText("sample@example.com");
            EmailTxt.setForeground(new Color(153,153,153));
        }
    }

    private void PhoneTxtActionPerformed(java.awt.event.ActionEvent evt) {
        if (PhoneTxt.getText().equals(""))
            { PhoneTxt.setText("Phone number");
        }
    }

    private void EmercntTxtActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        if (EmercntTxt.getText().equals(""))
            { EmercntTxt.setText("Emergency number");
        }
    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
    {
        JOptionPane.showMessageDialog(null, "Registered successfully");
        // TODO add your handling code here:
    }

    private void ClearbtnActionPerformed(java.awt.event.ActionEvent evt)
    {
        int opt=JOptionPane.showConfirmDialog(null, "Do you want clearall
        information?", "Clear",JOptionPane.YES_NO_OPTION);

        if (opt==0) {
            FNameTxt.setText("");
        }
    }

```

```

        LNameTxt.setText("");
        EmailTxt.setText("");
        PhoneTxt.setText("");
        EmercntTxt.setText("");
        buttonGroup1.clearSelection(
        );
        buttonGroup2.clearSelection(
        );
        buttonGroup3.clearSelection(
        );
        buttonGroup4.clearSelection(
        );
        buttonGroup5.clearSelection(
        );
        buttonGroup6.clearSelection(
        );
    }

    // TODO add your handling code here:
    */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">

        try {
            for(javax.swing.UIManager.LookAndFeelInfo info
                                :
            javax.swing.UIManager.getInstalledLookAndFeels())
            {
                if ("Windows".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

```

```

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
//</editor-fold>
/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new NewJFrame().setVisible(true);
    }
});

}
// Variables declaration - do not modify
private javax.swing.JButton Clearbtn;
private javax.swing.JLabel ELabel1;
private transient javax.swing.JTextField EmailTxt;
private javax.swing.JLabel EmeLabel1;
private javax.swing.JTextField EmercntTxt;
private javax.swing.JTextField FNameTxt;
private javax.swing.JRadioButton FRadioButton2;
private javax.swing.JLabel GLabel1;
private javax.swing.JLabel HLabel1;
private javax.swing.JTextField LNameTxt;
private javax.swing.JRadioButton MRadioButton1;
private javax.swing.JLabel NameLabel;
private javax.swing.JTextField PhoneTxt;
private javax.swing.JLabel QLabel1;

```

```
private javax.swing.JLabel QLabel2;  
private javax.swing.JButton Submitbtn;  
private javax.swing.ButtonGroup buttonGroup1;  
private javax.swing.ButtonGroup buttonGroup2;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel2;  
private javax.swing.JLabel jLabel3;  
private javax.swing.JRadioButton jRadioButton1;  
private javax.swing.JRadioButton jRadioButton10;  
private javax.swing.JRadioButton jRadioButton11;  
private javax.swing.JRadioButton jRadioButton12;  
private javax.swing.JRadioButton jRadioButton13;  
private javax.swing.JRadioButton jRadioButton14;  
private javax.swing.JRadioButton jRadioButton15;  
private javax.swing.JRadioButton jRadioButton16;  
private javax.swing.JRadioButton jRadioButton2;  
private javax.swing.JRadioButton jRadioButton3;  
private javax.swing.JRadioButton jRadioButton4;  
private javax.swing.JRadioButton jRadioButton5;  
private javax.swing.JRadioButton jRadioButton6;  
private javax.swing.JRadioButton jRadioButton7;  
private javax.swing.JRadioButton jRadioButton8;  
private javax.swing.JRadioButton jRadioButton9;  
private javax.swing.JLabel pLabel1;  
private javax.swing.JLabel qLabel3;  
// End of variables declaration  
}
```