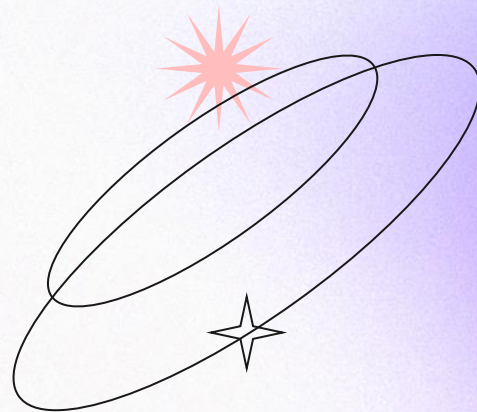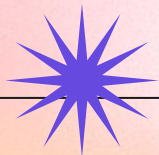# Ran It

จัดทำโดย

นางสาว ชลลฎา พันสีนาม รหัสนิสิต 6530300091

รหัสวิชา 03603112-65 ชื่อวิชา Programming Fundamental II

อาจารย์ผู้สอน กุลวดี สมบูรณ์วิวัฒน์
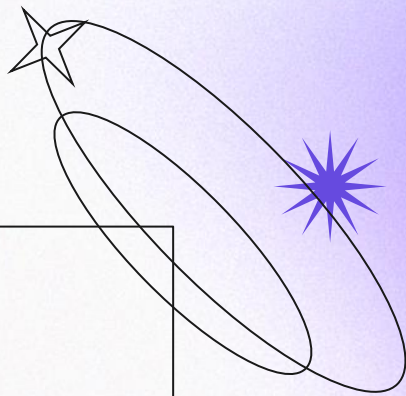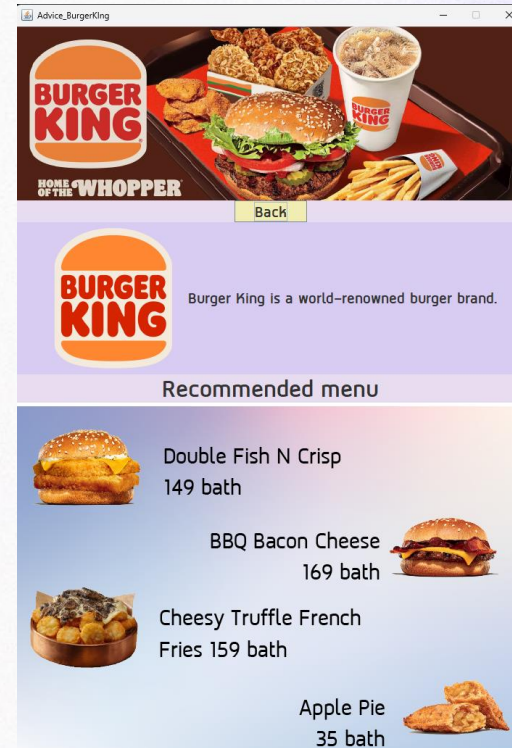
ปีการศึกษา 2565

//Individual_Pro

01

UI

UI
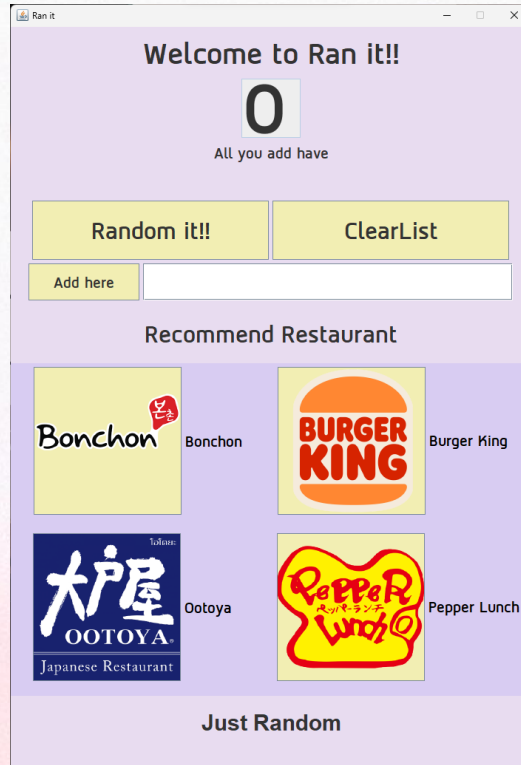
UI
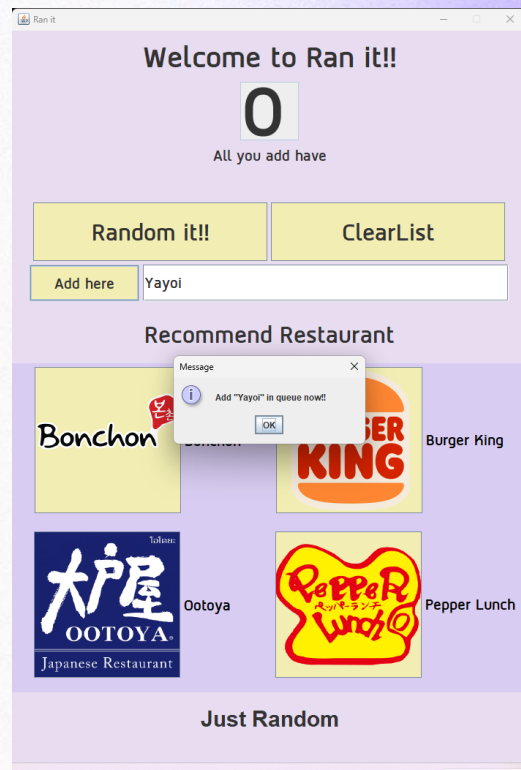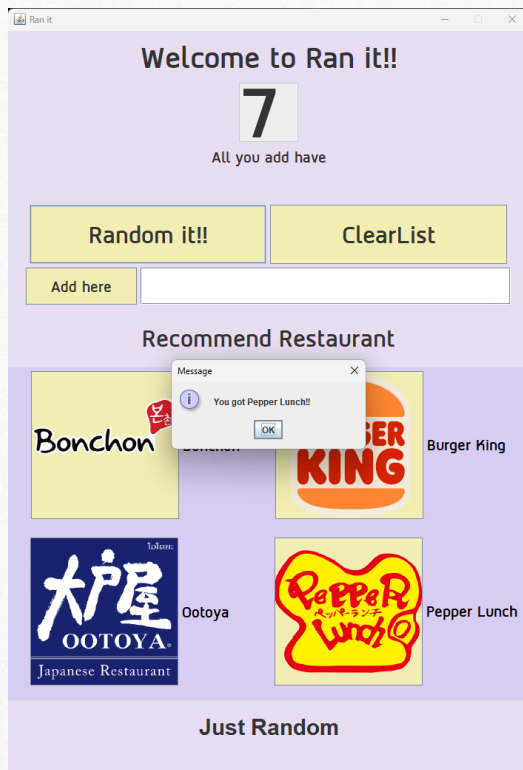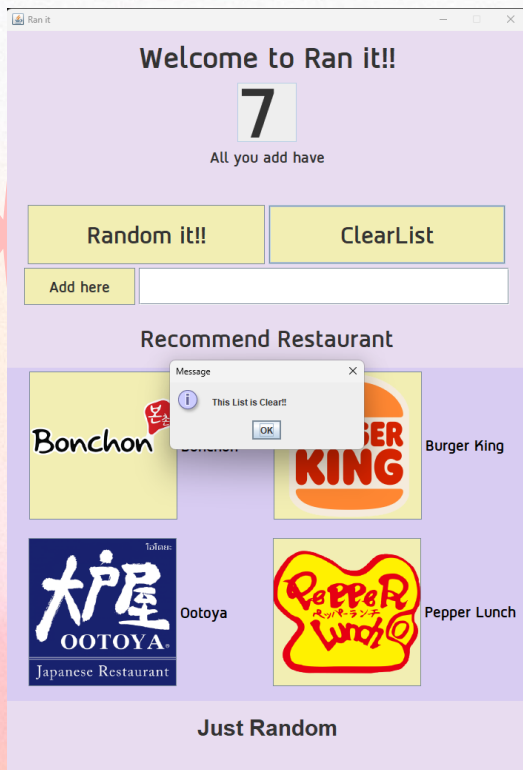
02

Class Diagram

Class Diagram

03

Algorithm

Algorithm

Algorithm

Algorithm

this.getContentPane().setBackground(new Color(232, 220, 240))

this.setTitle("Advice_BurgerKing")

this.setVisible(true)

this.setResizable(false)

this.setDefaultCloseOperation(EXIT_ON_CLOSE)

this.setLayout(new FlowLayout(FlowLayout.CENTER,0,0))

@Override
public void actionPerformed(ActionEvent e)

new Guizone()

Algorithm

Algorithm

Resolution

this.setSize(720,1080)

this.getContentPane().setBackground(new Color(232, 220, 240))

this.setTitle("Advice_Paper lunch")

this.setVisible(true)

this.setResizable(false)

this.setDefaultCloseOperation(EXIT_ON_CLOSE)

this.setLayout(new FlowLayout(FlowLayout.CENTER,0,0))

@Override
public void actionPerformed(ActionEvent e)

new Guizone()

this.setVisible(false)

Algorithm

04

Source Code

Source Code
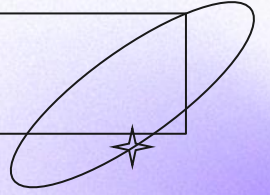
```java
1  import javax.swing.JOptionPane;
2
3  public class Mainapp {
4      public static void main(String[] args) {
5        Guizone gui =  new Guizone();
6      }
7  }
8
```

Source Code
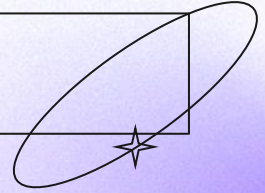
```
1   import java.awt.event.ActionEvent;
2   import java.awt.event.ActionListener;
3   import java.util.ArrayList;
4   import java.util.Random;
5   import java.awt.*;
6   import javax.swing.*;
7   import javax.swing.event.*;
8   @SuppressWarnings("unchecked")
9   public class Guizone extends JFrame implements ActionListener{
10
11      Font Heading,Count,Tittle,Scipt,Mystery;
12      ImageIcon logo_BK,logo_Paper,logo_Ootoya,logo_Bonchon;
13      JButton Startran,ClearList,addin,Advice_paper,Advice_bonchon,Advice_ootoya,Advice_burking;
14      JLabel pic_logo_BK,pic_logo_Bonchon,pic_logo_Ootoya,pic_logo_Peper;
15      JLabel Head_bonchon;
16      JLabel Head_ootoya;
17      JLabel Head_pep;
18      JLabel name_shop_BK,name_shop_Bonchon,name_shop_ootoya,name_shop_pepper,headname,Ccount,shop,blank,recomed,kk;
19      JPanel pannelin,recomenu,recomenu2;
20      JTextField sub,count;
21      int counti = 0;
22      Logiczone logi = new Logiczone();
```
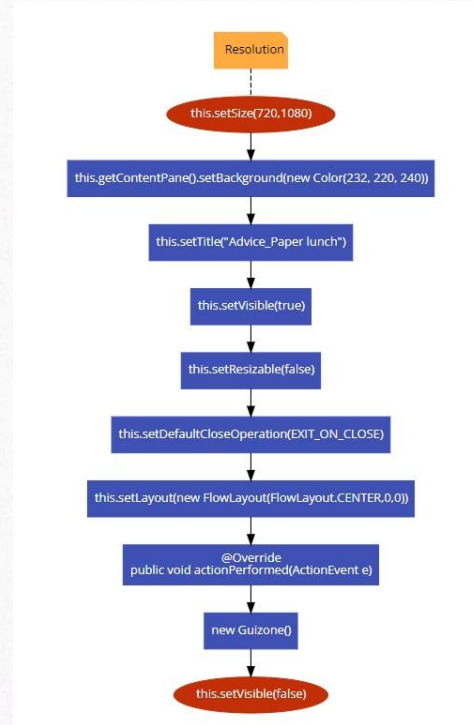
Source Code

```java
Guizone()
{
    Mystery = new Font("Gloss and bloom",Font.BOLD,30);
    Heading = new Font("printable4u",Font.BOLD,50);
    Count = new Font("printable4u",Font.BOLD,120);
    Tittle = new Font("printable4u",Font.BOLD,40);
    Scipt = new Font("printable4u",Font.BOLD,25);

    logo_BK = new ImageIcon("Pic/logo/BK.png");
    logo_Bonchon = new ImageIcon("Pic/logo/Bonchon.png");
    logo_Ootoya = new ImageIcon("Pic/logo/Ootoya.png");
    logo_Paper = new ImageIcon("Pic/logo/Paper Lunch.png");

    Startran = new JButton("Random it!!");
    Startran.setPreferredSize(new Dimension(320,80));
    Startran.setFont(Tittle);
    Startran.addActionListener(this);
    Startran.setBackground(new Color(242, 238, 179));

    ClearList = new JButton("ClearList");
    ClearList.setPreferredSize(new Dimension(320,80));
    ClearList.setFont(Tittle);
    ClearList.addActionListener(this);
    ClearList.setBackground(new Color(242, 238, 179));

    addin = new JButton("Add here");
    addin.setPreferredSize(new Dimension(150,50));
    addin.setFont(Scipt);
    addin.addActionListener(this);
    addin.setBackground(new Color(242, 238, 179));

    Advice_paper = new JButton(logo_Paper);
    Advice_paper.setBackground(new Color(242, 238, 179));
    Advice_paper.setPreferredSize(new Dimension(200,200));
    Advice_paper.addActionListener(this);
    Advice_bonchon = new JButton(logo_Bonchon);
    Advice_bonchon.setBackground(new Color(242, 238, 179));
    Advice_bonchon.setPreferredSize(new Dimension(200,200));
    Advice_bonchon.addActionListener(this);
    Advice_ootoya = new JButton(logo_Ootoya);
    Advice_ootoya.setBackground(new Color(242, 238, 179));
    Advice_ootoya.setPreferredSize(new Dimension(200,200));
    Advice_ootoya.addActionListener(this);
    Advice_burking = new JButton(logo_BK);
    Advice_burking.setBackground(new Color(242, 238, 179));
    Advice_burking.setPreferredSize(new Dimension(200,200));
    Advice_burking.addActionListener(this);
```
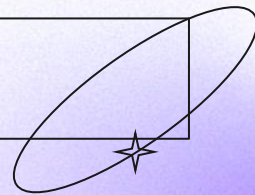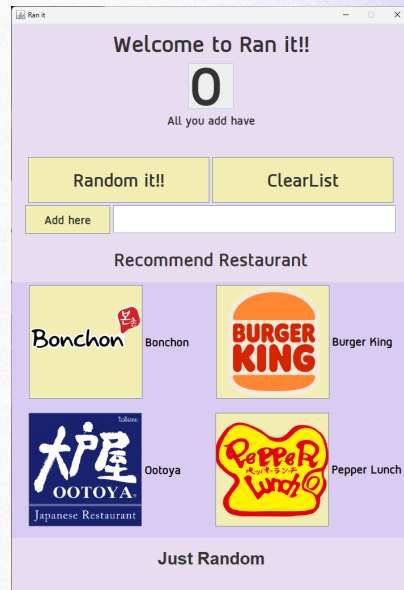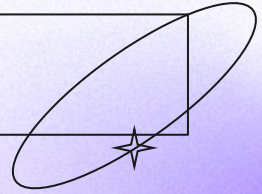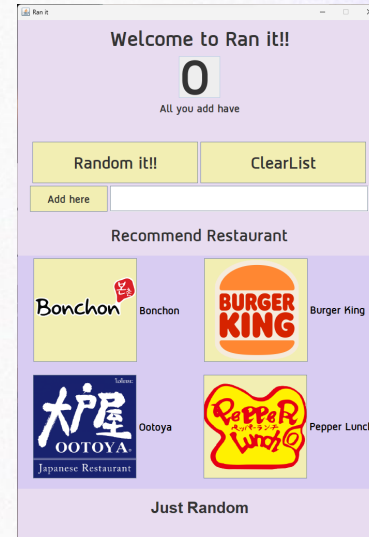
Source Code

```java
1  pic_logo_BK = new JLabel(logo_BK);
2      pic_logo_Bonchon = new JLabel(logo_Bonchon);
3      pic_logo_Ootoya = new JLabel(logo_Ootoya);
4      pic_logo_Peper  = new JLabel(logo_Paper);
5
6      name_shop_BK = new JLabel("Burger King");
7      name_shop_BK.setForeground(Color.black);
8      name_shop_BK.setFont(Scipt);
9
10     name_shop_Bonchon = new JLabel("Bonchon");
11     name_shop_Bonchon.setForeground(Color.black);
12     name_shop_Bonchon.setFont(Scipt);
13     name_shop_Bonchon.setPreferredSize(new Dimension(120,100));
14
15     name_shop_ootoya = new JLabel("Ootoya     ");
16     name_shop_ootoya.setForeground(Color.black);
17     name_shop_ootoya.setPreferredSize(new Dimension(120,100));
18     name_shop_ootoya.setFont(Scipt);
19
20     name_shop_pepper = new JLabel("Pepper Lunch");
21     name_shop_pepper.setForeground(Color.black);
22     name_shop_pepper.setFont(Scipt);
23
24     //Set First page
25     headname = new JLabel("Welcome to Ran it!!",SwingConstants.CENTER);
26     headname.setFont(Heading);
27     headname.setPreferredSize(new Dimension(720,70));
28
29     Ccount = new JLabel("1",SwingConstants.CENTER);
30     Ccount.setFont(Count);
31     Ccount.setPreferredSize(new Dimension(720,80));
32
33     shop = new JLabel("All you add have",SwingConstants.CENTER);
34     shop.setFont(Scipt);
35     shop.setPreferredSize(new Dimension(720,40));
```

Source Code
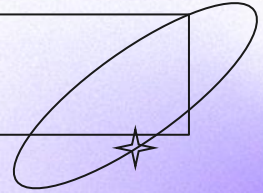
```
36
37        blank = new JLabel("",SwingConstants.CENTER);
38        blank.setPreferredSize(new Dimension(720,40));
39
40        kk = new JLabel("Just Random",SwingConstants.CENTER);
41        kk.setFont(Mystery);
42        kk.setPreferredSize(new Dimension(720,70));
43
44        sub = new JTextField();
45        sub.setFont(Scipt);
46        sub.setPreferredSize(new Dimension(500,50));
47
48        count = new JTextField(Integer.toString(counti));
49        count.setFont(Count);
50        count.setEditable(false);
51        count.setPreferredSize(new Dimension(80,80));
52
53        recomed = new JLabel("Recommend Restaurant",SwingConstants.CENTER);
54        recomed.setFont(Tittle);
55        recomed.setPreferredSize(new Dimension(720,80));
56
57        pannelin = new JPanel();
58        pannelin.setPreferredSize(new Dimension(720,145));
59        pannelin.add(Startran,BorderLayout.EAST);
60        pannelin.add(ClearList,BorderLayout.WEST);
61        pannelin.add(addin);
62        pannelin.add(sub);
63        pannelin.setBackground(new Color(232, 220, 240));
```
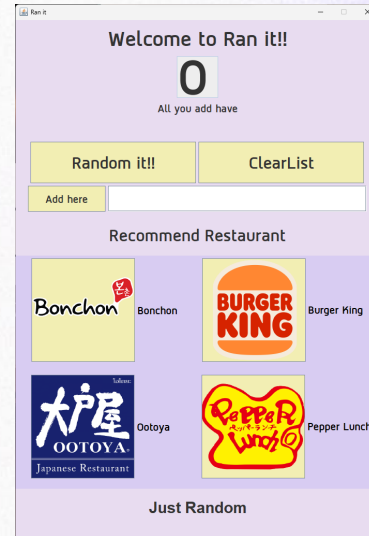
Source Code
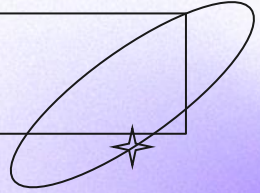
```java
recomenu = new JPanel();
    recomenu.add(Advice_bonchon);
    recomenu.add(name_shop_Bonchon);
    recomenu.add(Advice_burking);
    recomenu.add(name_shop_BK);
    recomenu.add(Advice_ootoya);
    recomenu.add(name_shop_ootoya);
    recomenu.add(Advice_paper);
    recomenu.add(name_shop_pepper);
    recomenu.setPreferredSize(new Dimension(720,225));
    recomenu.setBackground(new Color(216, 204, 242));

     recomenu2 = new JPanel();
    recomenu2.add(new JLabel("   "));
    recomenu2.add(Advice_ootoya);
    recomenu2.add(name_shop_ootoya);
    recomenu2.add(Advice_paper);
    recomenu2.add(name_shop_pepper);
    recomenu2.setPreferredSize(new Dimension(720,225));
    recomenu2.setBackground(new Color(216, 204, 242));

      this.add(headname);
      this.add(count,BorderLayout.CENTER);
      this.add(shop);
      this.add(blank);
      this.add(pannelin);
      this.add(recomed);
      this.add(recomenu);
      this.add(recomenu2);
      this.add(kk,BorderLayout.EAST);

      this.setSize(720,1080);
      this.getContentPane().setBackground(new Color(232, 220, 240));
      this.setTitle("Ran it");
      this.setVisible(true);
      this.setResizable(false);
      this.setDefaultCloseOperation(EXIT_ON_CLOSE);
      this.setLayout(new FlowLayout(FlowLayout.CENTER,0,0));

    }
```
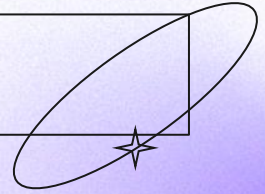
Source Code

```java
@Override
public void actionPerformed(ActionEvent e){
 if(e.getSource()==Startran)
 {
    try
    {
    if(logi.random().Length() == 0)
    {
        JOptionPane.showMessageDialog(this,"You didn't put ");
        counti--;
        counti--;
        if(counti < -1)
        {
            counti++;
        }
    }
    else
    {
        JOptionPane.showMessageDialog(this, "You got "+logi.random()+"!!");
    }
```

Source Code
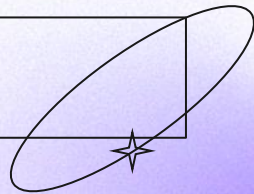
```
22      catch(Exception n){
23          JOptionPane.showMessageDialog(this,"No have anyting in you quene");
24      }
25  }
26  else if(e.getSource()== ClearList)
27  {
28      JOptionPane.showMessageDialog(this, "This List is Clear!!");
29      counti =0;
30      count.setText(""+Integer.toString(counti));
31      logi.clearList();
32  }
33  else if(e.getSource() == addin)
34  {
35      logi.array(sub.getText());
36      JOptionPane.showMessageDialog(this, "Add \""+sub.getText()+"\" in queue now!!");
37      sub.setText("");
38      counti++;
39      count.setText(""+Integer.toString(counti));
40
41  }
42  else if(e.getSource() == Advice_ootoya)
43  {
44      new Otoad();
45      this.setVisible(false);
46  }
47
48  else if(e.getSource() == Advice_burking)
49  {
50    new BKad();
51      this.setVisible(false);
52  }
53  else if(e.getSource() == Advice_paper)
54  {
55    new pepad();
56      this.setVisible(false);
57  }
58  else if(e.getSource() == Advice_bonchon)
59  {
60      new Bonad();
61      this.setVisible(false);
62  }
63  }
64  }
```

Source Code
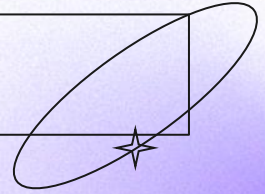
```java
import java.util.ArrayList;
import java.util.Random;
import java.util.Collections;

public class Logiczone {
    public ArrayList<String> things = new ArrayList<String>();
    public int ran = -1;
    public int count=0;
    public int rancount =0;
    Logiczone()
    {

    }
    public ArrayList<String> array(String newshop)
    {
        things.add(newshop);
        count++;
        return things;
    }
    public String random()
    {
        Random random = new Random();
        rancount = random.nextInt(count);

        return things.get(rancount);

    }
    public void clearList()
    {
        things.clear();
    }
}
```

Source Code

```java
1  import java.awt.event.ActionEvent;
2  import java.awt.event.ActionListener;
3  import java.util.ArrayList;
4  import java.awt.*;
5  import javax.swing.*;
6  import javax.swing.event.*;
7  @SuppressWarnings("unchecked")
8
9  public class BKad extends JFrame implements ActionListener{
10     JLabel Head_bk,pic_logo_Bk, pic_banner_bk;
11     JLabel advice,pic_preset_bc;
12     Font Heading,Count,Tittle,Scipt;
13     ImageIcon logo_Bk,Banner_bk,preset_bk;
14     JPanel put2back,pic,recomed;
15     JButton back;
16
17     BKad()
18     {
19         Heading = new Font("printable4u",Font.BOLD,50);
20         Count = new Font("printable4u",Font.BOLD,120);
21         Tittle = new Font("printable4u",Font.BOLD,40);
22         Scipt = new Font("printable4u",Font.BOLD,25);
23
24         logo_Bk = new ImageIcon("Pic/logo/BK.png");
25         Banner_bk = new ImageIcon("Pic/Banner/bk.png");
26         preset_bk = new ImageIcon("Pic/preset/bk.png");
27         Head_bk = new JLabel("Burger King is a world-renowned burger brand. ");
28         Head_bk.setFont(Scipt);
29         pic_logo_Bk = new JLabel(logo_Bk);
30         pic_banner_bk = new JLabel(Banner_bk);
31         pic_preset_bc  = new JLabel(preset_bk);
32
33         advice = new JLabel("Recommended menu",SwingConstants.LEFT);
34         advice.setFont(Tittle);
35
36     back = new JButton("Back");
37     back.setPreferredSize(new Dimension(100,30));
38     back.setFont(Scipt);
39     back.setBackground(new Color(242, 238, 179));
40     back.addActionListener(this);
```
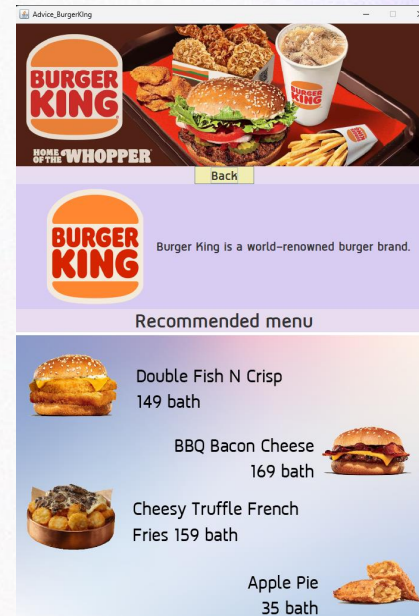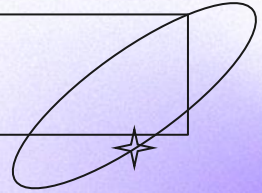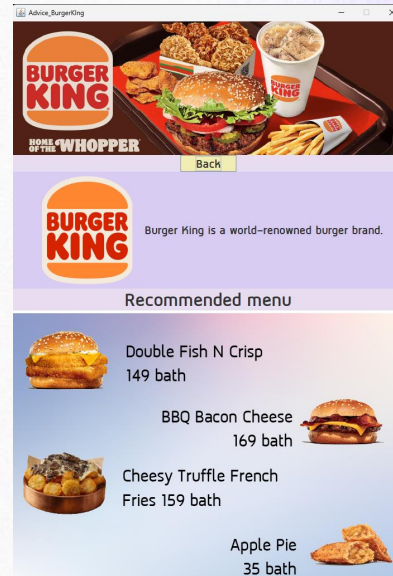
Source Code

```
41
42        pic = new JPanel();
43        pic.setPreferredSize(new Dimension(720,210));
44          pic.setBackground(new Color(216, 204, 242));
45          pic.add(pic_logo_Bk);
46          pic.add(Head_bk);
47
48        recomed = new JPanel();
49        recomed.setPreferredSize(new Dimension(720,500));
50        recomed.setBackground(Color.white);
51        recomed.add(pic_preset_bc);
52
53      this.add(pic_banner_bk);
54      this.add(back);
55      this.add(pic);
56      this.add(advice);
57      this.add(recomed);
58
59        // Resolution
60        this.setSize(720,1080);
61        this.getContentPane().setBackground(new Color(232, 220, 240));
62        this.setTitle("Advice_BurgerKIng");
63        this.setVisible(true);
64        this.setResizable(false);
65        this.setDefaultCloseOperation(EXIT_ON_CLOSE);
66        this.setLayout(new FlowLayout(FlowLayout.CENTER,0,0));
67      }
68      @Override
69      public void actionPerformed(ActionEvent e)
70      {
71          new Guizone();
72          this.setVisible(false);
73      }
74 }
75
```
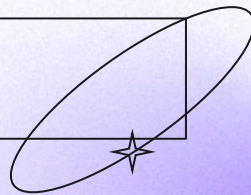
Source Code

```java
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.util.ArrayList;
import java.awt.*;
import javax.swing.*;
import javax.swing.event.*;
@SuppressWarnings("unchecked")

public class Otoad extends JFrame implements ActionListener{
    JLabel Head_oto,pic_logo_oto, pic_banner_oto;
    JLabel advice,pic_preset_bc;
    Font Heading,Count,Tittle,Scipt;
    ImageIcon logo_oto,Banner_oto,preset_oto;
    JPanel put2back,pic,recomed;
    JButton back;

    Otoad()
    {
        Heading = new Font("printable4u",Font.BOLD,50);
        Count = new Font("printable4u",Font.BOLD,120);
        Tittle = new Font("printable4u",Font.BOLD,40);
        Scipt = new Font("printable4u",Font.BOLD,25);

        logo_oto = new ImageIcon("Pic/logo/Ootoya.png");
        Banner_oto = new ImageIcon("Pic/Banner/oty.png");
        preset_oto = new ImageIcon("Pic/preset/ot.png");
        Head_oto = new JLabel("Ootoya is a premium-quality Japanese restaurant. ");
        Head_oto.setFont(Scipt);
        pic_logo_oto = new JLabel(logo_oto);
        pic_banner_oto = new JLabel(Banner_oto);
        pis_preset_bc = new JLabel(preset_oto);

        advice = new JLabel("Recommended menu",SwingConstants.LEFT);
        advice.setFont(Tittle);

        back = new JButton("Back");
        back.setPreferredSize(new Dimension(100,30));
        back.setFont(Scipt);
        back.setBackground(new Color(242, 238, 179));
        back.addActionListener(this);

        pic = new JPanel();
        pic.setPreferredSize(new Dimension(720,210));
        pic.setBackground(new Color(216, 204, 242));
        pic.add(pic_logo_oto);
        pic.add(Head_oto);

        recomed = new JPanel();
        recomed.setPreferredSize(new Dimension(720,500));
        recomed.setBackground(Color.white);
        recomed.add(pic_preset_bc);

        this.add(pic_banner_oto);
        this.add(back);
        this.add(pic);
        this.add(advice);
        this.add(recomed);

        // Resolution
        this.setSize(720,1000);
        this.getContentPane().setBackground(new Color(232, 220, 240));
        this.setTitle("Advice_Ootoya");
        this.setVisible(true);
        this.setResizable(false);
        this.setDefaultCloseOperation(EXIT_ON_CLOSE);
        this.setLayout(new FlowLayout(FlowLayout.CENTER,0,0));
    }
    @Override
    public void actionPerformed(ActionEvent e)
    {
        new Guizone();
        this.setVisible(false);
    }
}
```

```java
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.util.ArrayList;
import java.awt.*;
import javax.swing.*;
import javax.swing.event.*;
@SuppressWarnings("unchecked")

public class Bonad extends JFrame implements ActionListener{
    JLabel Head_bonchon,pic_logo_Bonchon, pic_banner_bonchon;
    JLabel advice,pic_preset_bc;
    ImageIcon logo_Bonchon,Banner_bnc,preset_bnc;
    Font Heading,Count,Tittle,Scipt;
    JPanel put2back,pic,recomed;
    JButton back;

    Bonad()
    {
        Heading = new Font("printable4u",Font.BOLD,50);
        Count = new Font("printable4u",Font.BOLD,120);
        Tittle = new Font("printable4u",Font.BOLD,40);
        Scipt = new Font("printable4u",Font.BOLD,25);
        logo_Bonchon = new ImageIcon("Pic/logo/Bonchon.png");
        Banner_bnc = new ImageIcon("Pic/Banner/bc.png");
        preset_bnc = new ImageIcon("Pic/preset/bc.png");
        Head_bonchon = new JLabel("Bonchon, a Korean-style fried chicken brand");
        Head_bonchon.setFont(Scipt);
        pic_logo_Bonchon = new JLabel(logo_Bonchon);
        pic_banner_bonchon = new JLabel(Banner_bnc);
        pic_preset_bc = new JLabel(preset_bnc);

        advice = new JLabel("Recommended menu",SwingConstants.LEFT);
        advice.setFont(Tittle);

        back = new JButton("Back");
        back.setBackground(new Color(242, 238, 179));
        back.setPreferredSize(new Dimension(100,30));
        back.setFont(Scipt);
        back.addActionListener(this);

        pic = new JPanel();
        pic.setPreferredSize(new Dimension(720,180));
        pic.setBackground(new Color(216, 204, 242));
        pic.add(pic_logo_Bonchon);
        pic.add(Head_bonchon);

        recomed = new JPanel();
        recomed.setPreferredSize(new Dimension(720,500));
        recomed.setBackground(Color.white);
        recomed.add(pic_preset_bc);

        this.add(pic_banner_bonchon);
        this.add(back);
        this.add(pic);
        this.add(advice);
        this.add(recomed);

        // Resolution
        this.setSize(720,1000);
        this.getContentPane().setBackground(new Color(232, 220, 240));
        this.setTitle("Advice_Bonchon");
        this.setVisible(true);
        this.setResizable(false);
        this.setDefaultCloseOperation(EXIT_ON_CLOSE);
        this.setLayout(new FlowLayout(FlowLayout.CENTER,0,0));
    }
    @Override
    public void actionPerformed(ActionEvent e)
    {
        new Guizone();
        this.setVisible(false);
    }
}
```

```java
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.util.ArrayList;
import java.awt.*;
import javax.swing.*;
import javax.swing.event.*;
@SuppressWarnings("unchecked")

public class pepad extends JFrame implements ActionListener{
    JLabel Head_pep,pic_logo_pep, pic_banner_pep;
    JLabel advice,pic_preset_pep;
    Font Heading,Count,Tittle,Scipt;
    ImageIcon logo_pep,Banner_pep,preset_pep;
    JPanel put2back,pic,recomed;
    JButton back;

    pepad()
    {
        Heading = new Font("printable4u",Font.BOLD,50);
        Count = new Font("printable4u",Font.BOLD,120);
        Tittle = new Font("printable4u",Font.BOLD,40);
        Scipt = new Font("printable4u",Font.BOLD,25);

        logo_pep = new ImageIcon("Pic/logo/Paper Lunch.png");
        Banner_pep = new ImageIcon("Pic/Banner/pl.png");
        preset_pep = new ImageIcon("Pic/preset/pl.png");
        Head_pep = new JLabel("Pepper Lunch is a new style of Japanese restaurant.");
        Head_pep.setFont(Scipt);
        pic_logo_pep = new JLabel(logo_pep);
        pic_banner_pep = new JLabel(Banner_pep);
        pic_preset_pep = new JLabel(preset_pep);

        advice = new JLabel("Recommended menu",SwingConstants.LEFT);
        advice.setFont(Tittle);

        back = new JButton("Back");
        back.setBackground(new Color(242, 238, 179));
        back.setFont(Scipt);
        back.setBackground(new Color(242, 238, 179));
        back.addActionListener(this);

        pic = new JPanel();
        pic.setPreferredSize(new Dimension(720,210));
        pic.setBackground(new Color(216, 204, 242));
        pic.add(pic_logo_pep);
        pic.add(Head_pep);

        recomed = new JPanel();
        recomed.setPreferredSize(new Dimension(720,500));
        recomed.setBackground(Color.white);
        recomed.add(pic_preset_pep);

        this.add(pic_banner_pep);
        this.add(back);
        this.add(pic);
        this.add(advice);
        this.add(recomed);

        // Resolution
        this.setSize(720,1000);
        this.getContentPane().setBackground(new Color(232, 220, 240));
        this.setTitle("Advice_Paper lunch");
        this.setVisible(true);
        this.setResizable(false);
        this.setDefaultCloseOperation(EXIT_ON_CLOSE);
        this.setLayout(new FlowLayout(FlowLayout.CENTER,0,0));
    }
    @Override
    public void actionPerformed(ActionEvent e)
    {
        new Guizone();
        this.setVisible(false);
    }
}
```

Thanks!

Video Presentation