

TravelWithMe

จัดทำโดย

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รหัสวิชา 0360312-65 ชื่อ วิชา PROGRAMMING

FUNDAMENTALS

อาจารย์ผู้สอน กุลวัฒน์ สมบูรณ์วัฒน์

ปีการศึกษา 2565



UI

Travel with me company

Transportation around Bangkok

Your current location

Please choose

destination station

Please choose

How many people?

Please choose

Are you my member?

Please choose

next

Travel with me company

Your current location is Jak ju jak

And you are going to Jom thorn

You don't have member discount

You come alone

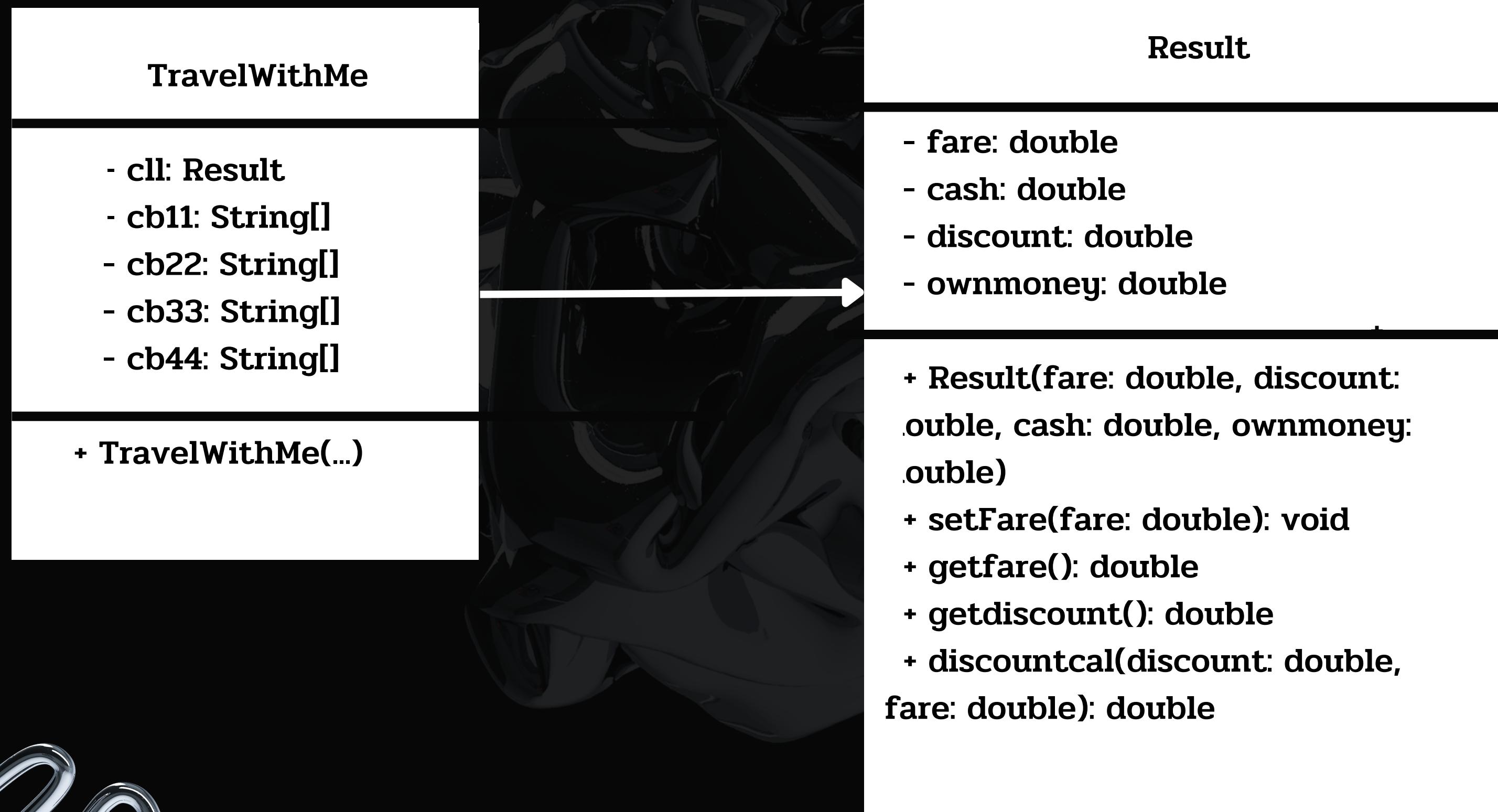
70.0 baht

Thanks for purchase

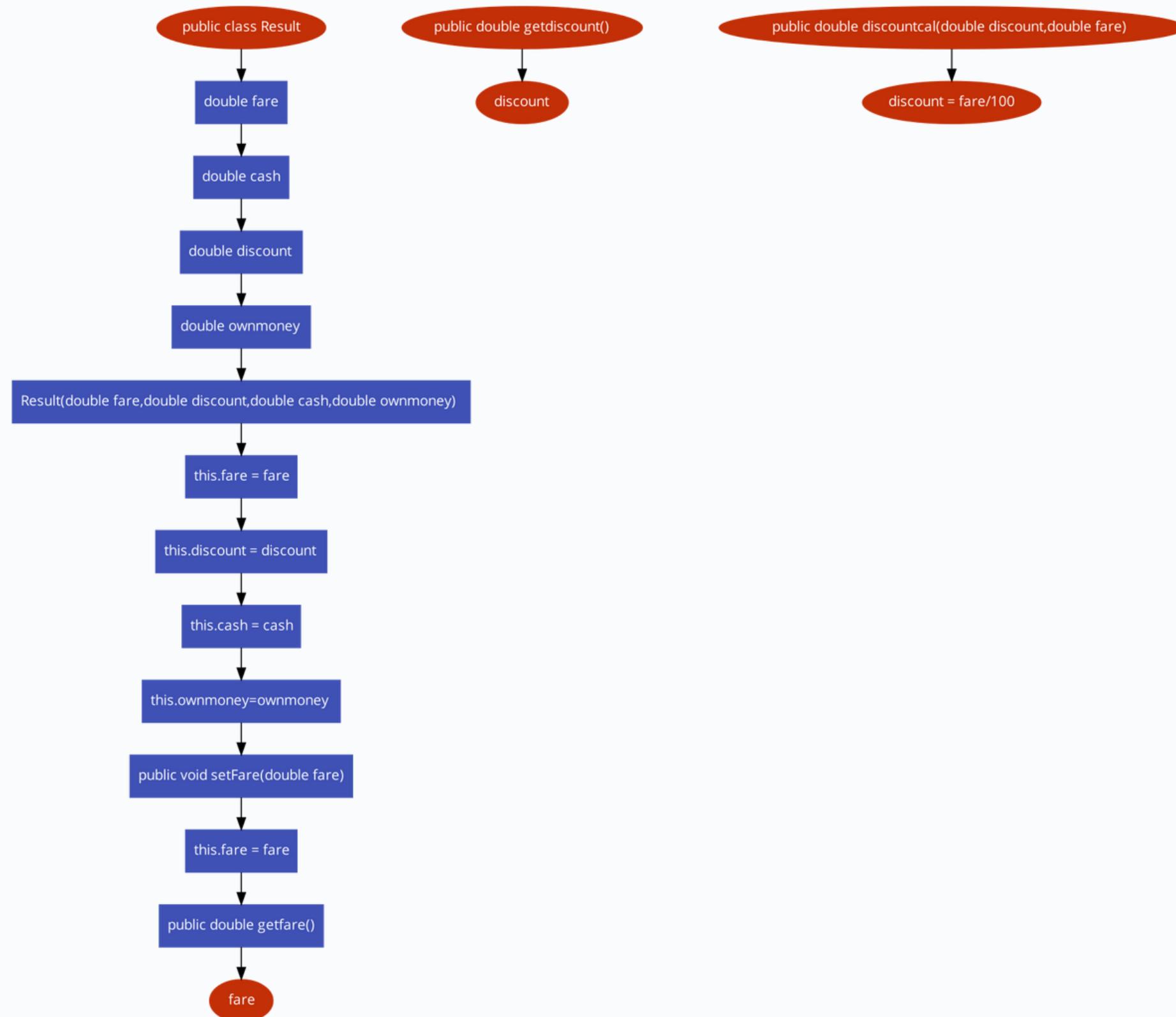
Confirm

Back

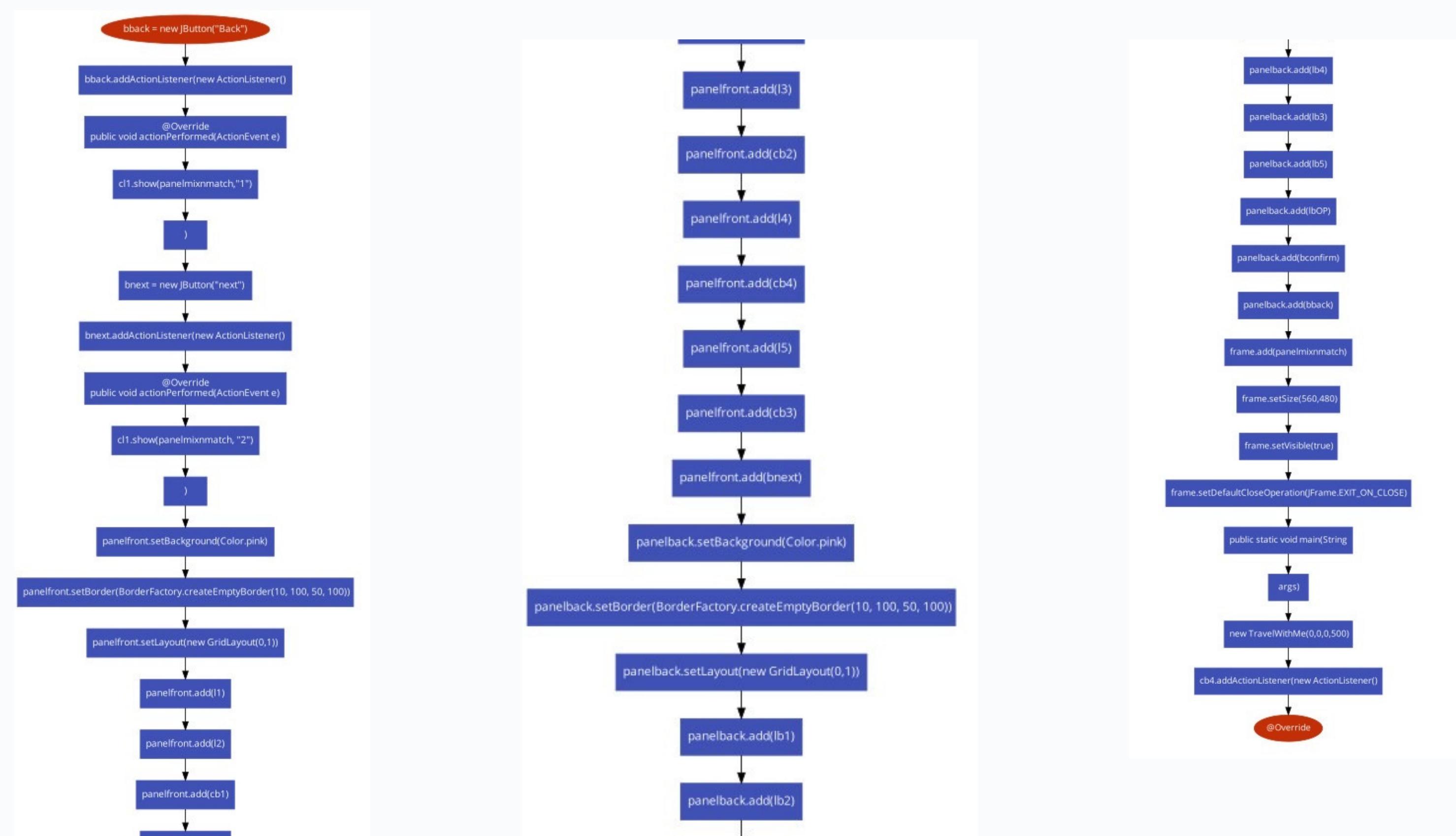
CLASS DIAGRAM



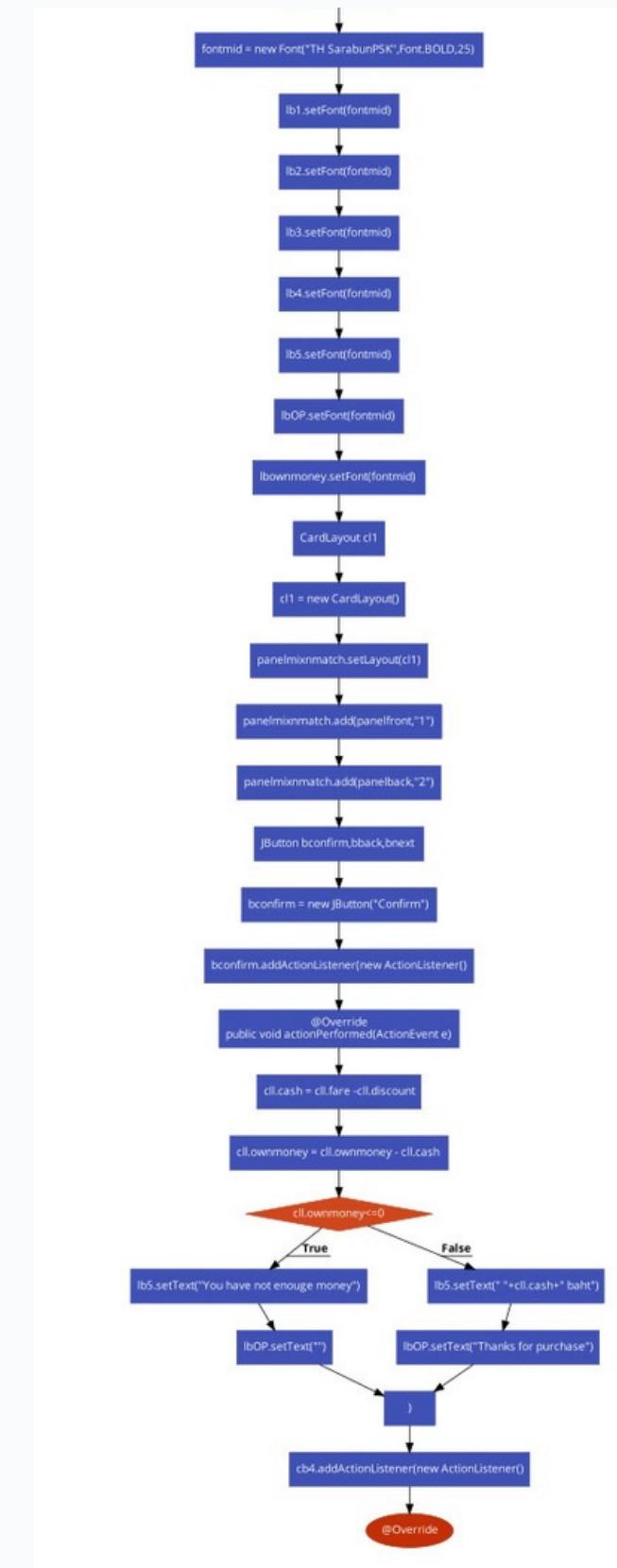
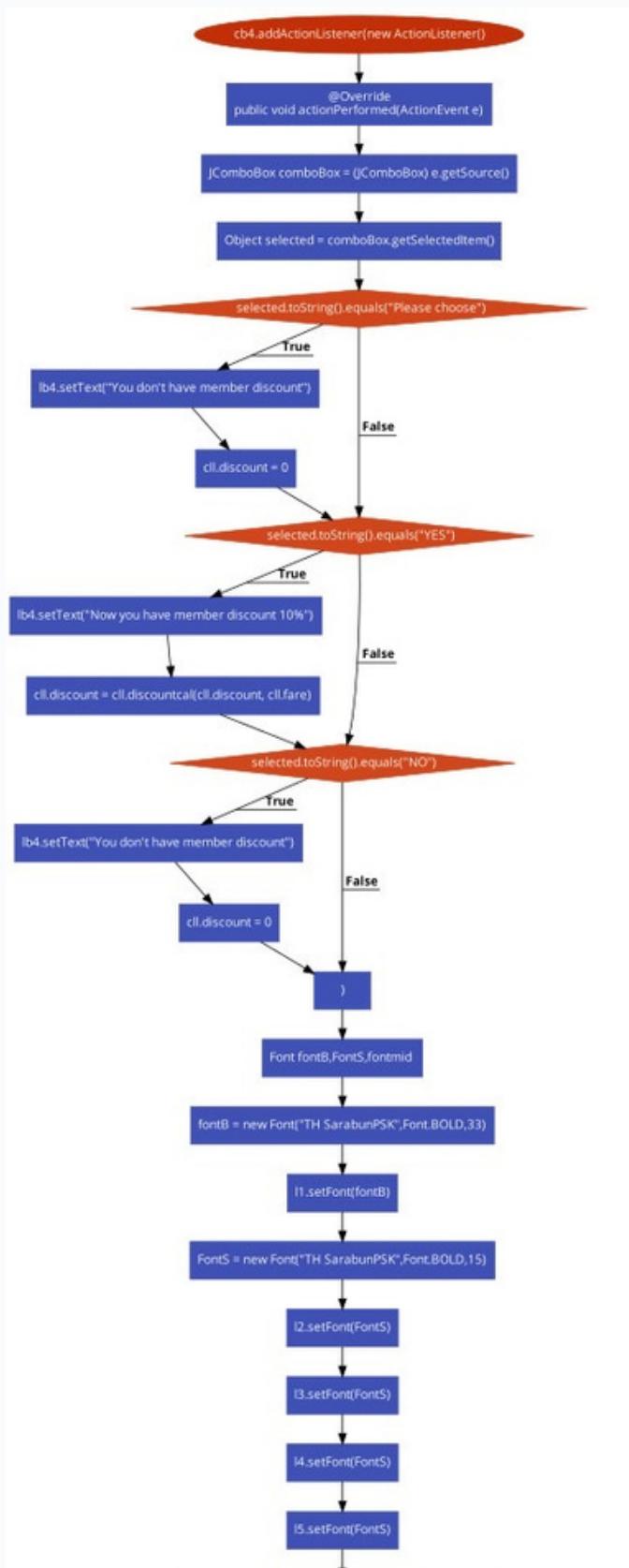
ALGORITHM TravelWithMe



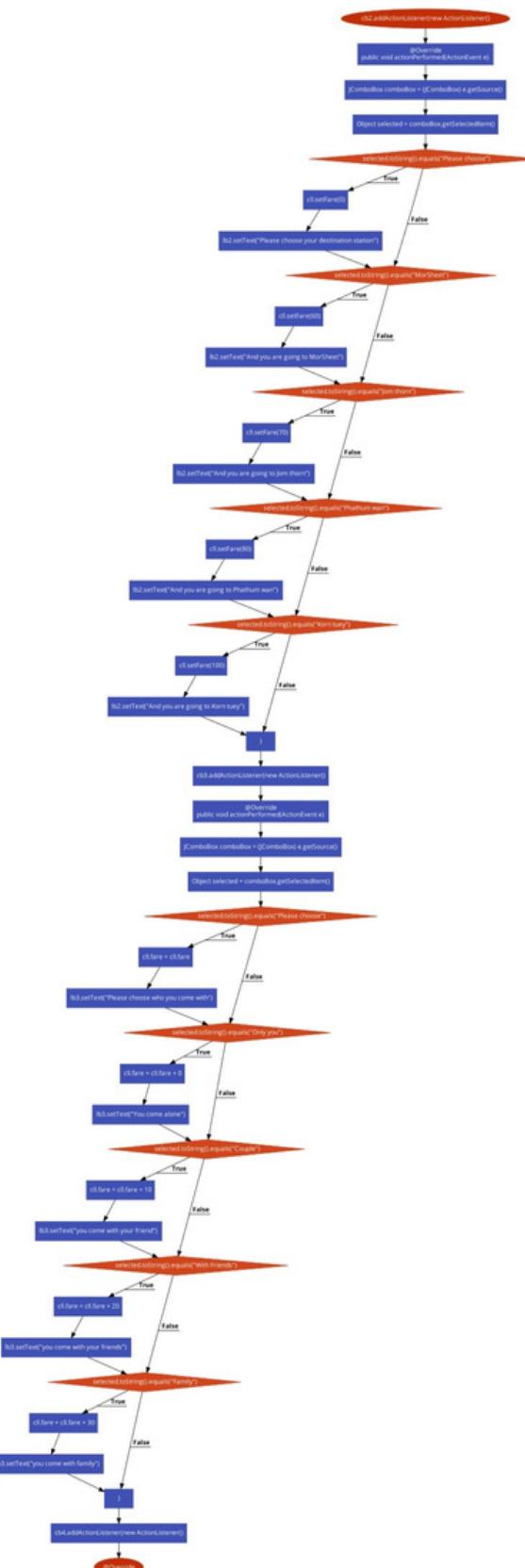
ALGORITHM TravelWithMe



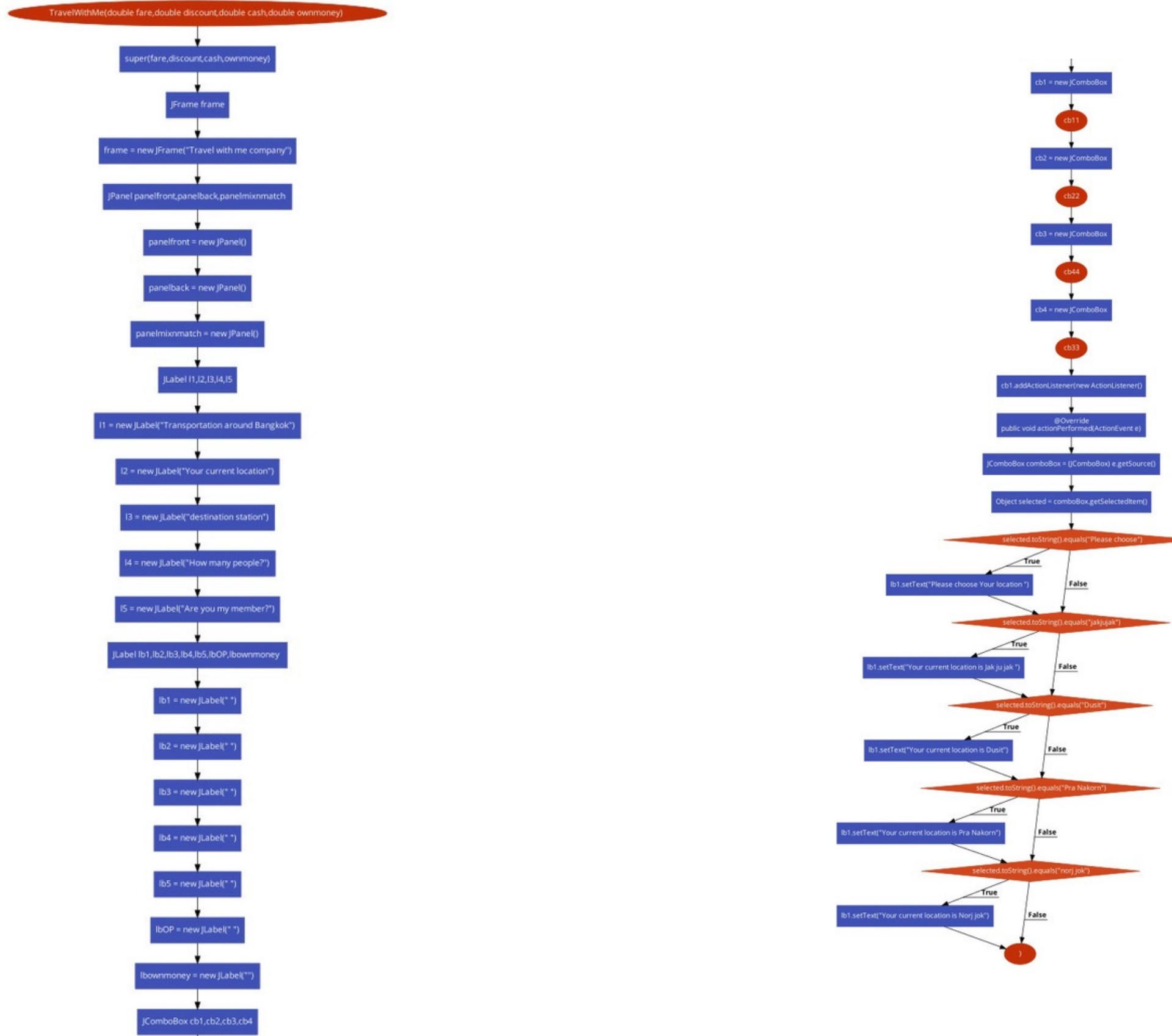
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ALGORITHM TravelWithMe



ALGORITHM TravelWithMe



SOURCE CODE

```
public class Result {  
    double fare;  
    double cash;  
    double discount;  
    double ownmoney;  
    Result(double fare,double discount,double cash,double ownmoney){  
        this.fare = fare;  
        this.discount = discount;  
        this.cash = cash;  
        this.ownmoney=ownmoney;  
    }  
    public void setFare(double fare){  
        this.fare = fare;  
    }  
    public double getfare(){  
        return fare;  
    }  
    public double getdiscount(){  
        return discount;  
    }  
    public double discountcal(double discount,double fare){  
        return discount = fare/100;  
    }  
}
```

SOURCE CODE

```
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
public class TravelWithMe extends Result{

    Result c11 = new Result(fare, discount, cash, ownmoney);

    String cb11[] = {"Please choose","jakjujak","Dusit","Pra Nakorn","norj jok"};
    String cb22[] = {"Please choose","MorSheet","Jom thorn","Phatum wan","Korn tuey"};
    String cb33[] = {"Please choose","YES","NO"};
    String cb44[] = {"Please choose","Only you","Couple","With Friends","Family"};

    TravelWithMe(double fare,double discount,double cash,double ownmoney) {
        super(fare,discount,cash,ownmoney);

        JFrame frame;
        frame = new JFrame(title:"Travel with me company");

        JPanel panelfront,panelback,panelmixnmatch;
        panelfront = new JPanel();
        panelback = new JPanel();
        panelmixnmatch = new JPanel();

        JLabel l1,l2,l3,l4,l5;
        l1 = new JLabel(text:"Transportation around Bangkok");
        l2 = new JLabel(text:"Your current location");
        l3 = new JLabel(text:"destination station");
        l4 = new JLabel(text:"How many people?");
        l5 = new JLabel(text:"Are you my member?");
```

SOURCE CODE

```
JLabel lb1,lb2,lb3,lb4,lb5,lbOP,lbownmoney;  
lb1 = new JLabel(text:" ");  
lb2 = new JLabel(text:" ");  
lb3 = new JLabel(text:" ");  
lb4 = new JLabel(text:" ");  
lb5 = new JLabel(text:" ");  
lbOP = new JLabel(text:" ");  
lbownmoney = new JLabel(text:"");  
  
JComboBox cb1,cb2,cb3,cb4;  
cb1 = new JComboBox<>(cb11);  
cb2 = new JComboBox<>(cb22);  
cb3 = new JComboBox<>(cb44);  
cb4 = new JComboBox<>(cb33);
```

SOURCE CODE

```
cb1.addActionListener(new ActionListener() {  
    @Override  
    public void actionPerformed(ActionEvent e) {  
        JComboBox comboBox = (JComboBox) e.getSource();  
        Object selected = comboBox.getSelectedItem();  
        if(selected.toString().equals(anObject:"Please choose"))  
        {  
            lb1.setText(text:"Please choose Your location ");  
        }  
        if(selected.toString().equals(anObject:"jakjujak"))  
        {  
            lb1.setText(text:"Your current location is Jak ju jak ");  
        }  
        if(selected.toString().equals(anObject:"Dusit"))  
        {  
            lb1.setText(text:"Your current location is Dusit");  
        }  
        if(selected.toString().equals(anObject:"Pra Nakorn"))  
        {  
            lb1.setText(text:"Your current location is Pra Nakorn");  
        }  
        if(selected.toString().equals(anObject:"norj jok"))  
        {  
            lb1.setText(text:"Your current location is Norj jok");  
        }  
    }  
});
```

SOURCE CODE

```
cb2.addActionListener(new ActionListener() {
    @Override
    public void actionPerformed(ActionEvent e) {
        JComboBox comboBox = (JComboBox) e.getSource();
        Object selected = comboBox.getSelectedItem();
        if(selected.toString().equals(anObject:"Please choose"))
        {
            cl1.setFare(fare:0);
            lb2.setText(text:"Please choose your destination station");
        }
        if(selected.toString().equals(anObject:"MorSheet"))
        {
            cl1.setFare(fare:60);
            lb2.setText(text:"And you are going to MorSheet");
        }
        if(selected.toString().equals(anObject:"Jom thorn"))
        {
            cl1.setFare(fare:70);
            lb2.setText(text:"And you are going to Jom thorn");
        }
        if(selected.toString().equals(anObject:"Phatum wan"))
        {
            cl1.setFare(fare:80);
            lb2.setText(text:"And you are going to Phatum wan");
        }
        if(selected.toString().equals(anObject:"Korn tuey"))
        {
            cl1.setFare(fare:100);
            lb2.setText(text:"And you are going to Korn tuev");
        }
    }
})
```

SOURCE CODE

```
cb3.addActionListener(new ActionListener(){
    @Override
    public void actionPerformed(ActionEvent e) {
        JComboBox comboBox = (JComboBox) e.getSource();
        Object selected = comboBox.getSelectedItem();
        if(selected.toString().equals(anObject:"Please choose"))
        {
            cl1.fare = cl1.fare;
            lb3.setText(text:"Please choose who you come with");
        }
        if(selected.toString().equals(anObject:"Only you"))
        {
            cl1.fare = cl1.fare + 0;
            lb3.setText(text:"You come alone");
        }
        if(selected.toString().equals(anObject:"Couple"))
        {
            cl1.fare = cl1.fare + 10;
            lb3.setText(text:"you come with your friend");
        }
        if(selected.toString().equals(anObject:"With Friends"))
        {
            cl1.fare = cl1.fare + 20;
            lb3.setText(text:"you come with your friends");
        }
        if(selected.toString().equals(anObject:"Family"))
        {
            cl1.fare = cl1.fare + 30;
            lb3.setText(text:"you come with family");
        }
    }
});
```

SOURCE CODE

```
cb4.addActionListener(new ActionListener(){
    @Override
    public void actionPerformed(ActionEvent e) {
        JComboBox comboBox = (JComboBox) e.getSource();
        Object selected = comboBox.getSelectedItem();
        if(selected.toString().equals(anObject:"Please choose"))
        {
            lb4.setText(text:"You don't have member discount");
            cl1.discount = 0;
        }
        if(selected.toString().equals(anObject:"YES"))
        {
            lb4.setText(text:"Now you have member discount 10%");
            cl1.discount = cl1.discountcal(cl1.discount, cl1.fare);
        }
        if(selected.toString().equals(anObject:"NO"))
        {
            lb4.setText(text:"You don't have member discount");
            cl1.discount = 0;
        }
    }
});
Font fontB,Fonts,fontmid;
fontB = new Font(name:"TH SarabunPSK",Font.BOLD,size:33);
l1.setFont(fontB);
Fonts = new Font(name:"TH SarabunPSK",Font.BOLD,size:15);
l2.setFont(Fonts);
l3.setFont(Fonts);
l4.setFont(Fonts);
l5.setFont(Fonts);
fontmid = new Font(name:"TH SarabunPSK",Font.BOLD,size:25);
lb1.setFont(fontmid);
```

SOURCE CODE

```
fontmid = new Font(name:"TH SarabunPSK",Font.BOLD,size:25);
lb1.setFont(fontmid);
lb2.setFont(fontmid);
lb3.setFont(fontmid);
lb4.setFont(fontmid);
lb5.setFont(fontmid);
lbOP.setFont(fontmid);
lbownmoney.setFont(fontmid);
cardLayout cl1;
cl1 = new CardLayout();
panelmixnmatch.setLayout(cl1);
panelmixnmatch.add(panelfront,constraints:"1");
panelmixnmatch.add(panelback,constraints:"2");

JButton bconfirm,bback,bnext;
bconfirm = new JButton(text:"Confirm");
bconfirm.addActionListener(new ActionListener() {

    @Override
    public void actionPerformed(ActionEvent e) {

        cll.cash = cll.fare -cll.discount;
        cll.ownmoney = cll.ownmoney - cll.cash;
        if(cll.ownmoney<=0){
            lb5.setText(text:"You have not enouge money");
            lbOP.setText(text:"");
        }
        else{
            lb5.setText(" "+cll.cash+" baht");
            lbOP.setText(text:"Thanks for purchase");
        }
    }
});
```

SOURCE CODE

```
bback = new JButton(text:"Back");
bback.addActionListener(new ActionListener() {
    @Override
    public void actionPerformed(ActionEvent e) {
        cl1.show(panelmixnmatch, name:"1");
    }
});
bnext = new JButton(text:"next");
bnext.addActionListener(new ActionListener() {
    @Override
    public void actionPerformed(ActionEvent e) {
        cl1.show(panelmixnmatch, name:"2");
    }
});

panelfront.setBackground(Color.pink);
panelfront.setBorder(BorderFactory.createEmptyBorder(top:10, left:100, bottom:50, right:100));
panelfront.setLayout(new GridLayout(rows:0, cols:1));
panelfront.add(l1);
panelfront.add(l2);
panelfront.add(cb1);
panelfront.add(l3);
panelfront.add(cb2);
panelfront.add(l4);
panelfront.add(cb4);
panelfront.add(l5);
panelfront.add(cb3);
panelfront.add(bnext);
```

SOURCE CODE

```
panelback.setBackground(Color.pink);
panelback.setBorder(BorderFactory.createEmptyBorder(top:10, left:100, bottom:50, right:100));
panelback.setLayout(new GridLayout(rows:0,cols:1));
panelback.add(lb1);
panelback.add(lb2);
panelback.add(lb4);
panelback.add(lb3);
panelback.add(lb5);
panelback.add(lb0P);
panelback.add(bconfirm);
panelback.add(bback);
frame.add(panelmixnmatch);
frame.setSize(width:560,height:480);
frame.setVisible(b:true);
frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
}
run | Debug
public static void main(String[] args){
    new TravelWithMe(fare:0,discount:0,cash:0,ownmoney:500);
}
```

GITHUB

<https://github.com/Alberta00/TWM-TravelWithMe-.git>

YOUTUBE

https://www.youtube.com/watch?v=J_oMx2g0QVk