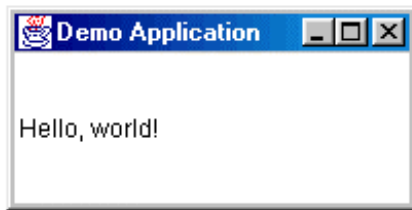
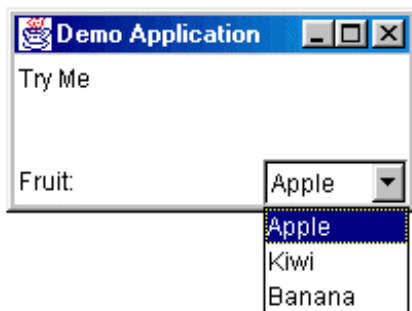


GUI mit Java AWT



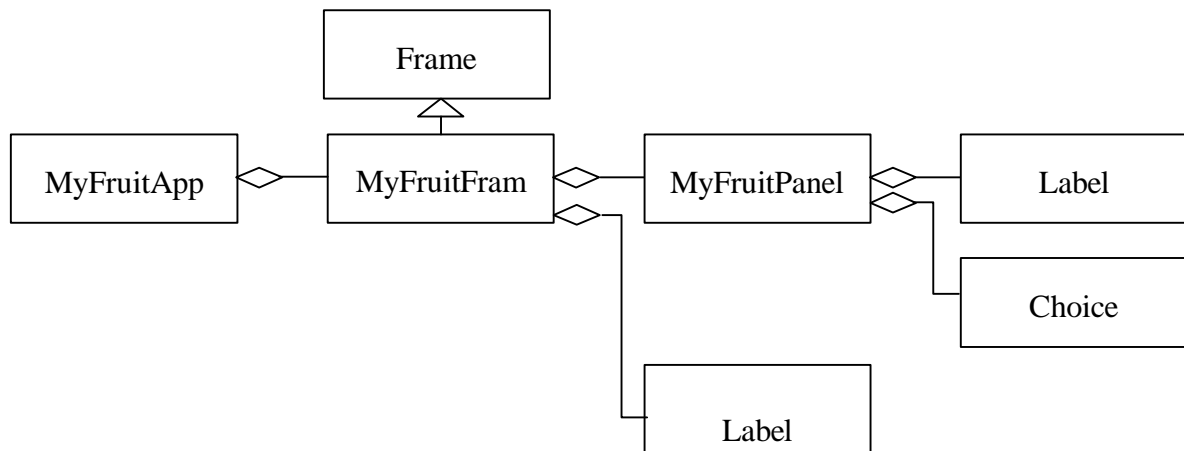
```
1 import java.awt.*;
2
3 public class HelloWorldApp {
4
5     public static void main(String argv[]) {
6         Frame myFrame = new Frame("Demo Application");
7
8         Label aLabel = new Label("Hello, world!");
9         myFrame.add(aLabel);
10
11         myFrame.setSize(100, 100);
12         myFrame.show();
13     }
14
15 }
```



```
1 import java.awt.*;
2
3 public class MyFruitApp {
4
5     public static void main(String argv[]) {
6         Frame myFrame = new Frame("Demo Application");
7         myFrame.setLayout(new BorderLayout());
8
9         Label topLabel = new Label("Try Me");
10        myFrame.add(topLabel, BorderLayout.NORTH);
11
12        Panel horizPanel = new Panel(new BorderLayout());
13
14        Label leftLabel = new Label("Fruit:");
15        horizPanel.add(leftLabel, BorderLayout.WEST);
16
17        Choice myChoice = new Choice();
18        myChoice.add("Apple");
19        myChoice.add("Kiwi");
20        myChoice.add("Banana");
21        horizPanel.add(myChoice, BorderLayout.EAST);
22
23        myFrame.add(horizPanel, BorderLayout.SOUTH);
24
25        myFrame.setSize(200, 100);
26        myFrame.show();
27    }
28
29 }
```

Klassendiagramm (UML) und Javacode

MyFruitApp in mehrere Klassen aufgesplittet.



```
1 import java.awt.*;
2
3 public class MyFruitApp {
4
5     public static void main(String argv[]) {
6         MyFruitFrame mainFrame = new MyFruitFrame();
7         mainFrame.show();
8     }
9
10 }

1 import java.awt.*;
2
3 public class MyFruitFrame extends Frame {
4
5     public MyFruitFrame () {
6         super("Demo Application");
7         setLayout(new BorderLayout());
8
9         Label topLabel = new Label("Try Me");
10        add(topLabel, BorderLayout.NORTH);
11
12        MyFruitPanel choicePanel = new MyFruitPanel();
13        add(choicePanel, BorderLayout.SOUTH);
14
15        setSize(200, 100);
16    }
17
18 }

1 import java.awt.*;
2
3 public class MyFruitPanel extends Panel {
4
5     public MyFruitPanel() {
6         super(new BorderLayout());
7
8         Label leftLabel = new Label("Fruit:");
9         add(leftLabel, BorderLayout.WEST);
10
11        Choice myChoice = new Choice();
12        myChoice.add("Apple");
13        myChoice.add("Kiwi");
14        myChoice.add("Banana");
15        add(myChoice, BorderLayout.EAST);
16    }
17
18 }
```