

Project

cmp-5th-lecture-project-

- > .idea
- > out
- > src
  - cmp-5th-lecture-project
- > External Libraries
- > Scratches and Consoles

Pull Requests

Structure

Bookmarks

```
1  import javax.swing.*;
2  import java.awt.*;
3  import java.awt.event.ActionEvent;
4  import java.awt.event.ActionListener;
5
6  public class GUIPractice {
7
8      static void cmpAtm () {
9          // setup frame, frame size, frame layout and frame exit program when done
10         JFrame frame = new JFrame( title: "GTB ATM");
11         frame.setSize( width: 300, height: 200);
12         frame.setLayout(new GridLayout( rows: 2, cols: 2));
13         frame.setDefaultCloseOperation(WindowConstants.EXIT_ON_CLOSE);
14
15         // components
16         JLabel label_pin = new JLabel( text: "Account Pin: "); // label
17         JTextField pin = new JTextField(); // text field
18         JButton submitButton = new JButton( text: "Submit"); // submit button
19
20         // add components to frame
21         frame.add(label_pin);
22         frame.add(pin);
23         frame.add(submitButton);
24
25         // set frame to visible -> (it is invisible by default)
26         frame.setVisible(true);
27
28         // set action listener on submitButton
29         submitButton.addActionListener(new ActionListener() {
30             @Override
31             public void actionPerformed (ActionEvent e) {
32                 String pin_value = pin.getText(); // get text from pin (a text field for user input)
33
34                 if (pin_value.equals("0000")){
35                     System.out.println("Valid pin");
36                     frame.setVisible(false);
37                 } else {
38                     System.out.println("Invalid pin");
39                 }
40             }
41         });
42     }
43 }
```

Notifications

1

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Scratches and Consoles

Main.java

GUIPractice.java

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```
16  JLabel label_pin = new JLabel( "Pin Number: "); // label
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40      }
41  });
42
43
44  // main function: without this function we can't run any program. it is the door to running java programs
45  public static void main(String [] args) {
46      cmpAtm(); // call our cmpAtm function
47  }
48
49  }
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GUIPractice

GTB ATM

Account Pin:

Submit

Run: GUIPractice

"C:\Program Files\Java\jdk-18.0.1.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.1.1\lib\idea\_rt.jar=1442:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.1.1\b:

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Main.java x

GUIPractice.java x

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Wondershare PDFelement

GTB ATM

Account Pin: 0000

Submit

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Valid pin

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Version Control Run TODO Problems Terminal Services Build

Build completed successfully in 3 sec, 634 ms (moments ago)

46:46 CRLF UTF-8 4 spaces