**Experiment Report - 13 - test7\_charge**

1. **Summary Table of Errors Found**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Error ID | Line Number | Error Type | Self-Detected? | Peer 1 Found? | Peer 2 Found? |
| E01 | Line 36 | Syntax | √ | √ | √ |
| E02 | Line 44 | Semantic | √ | × | × |
| E03 | Line 60 | Semantic | √ | √ | × |

Additional Errors Found by Self：0

Self-Review Detection Rate: 100%

Peer 1 Detection Rate: 67%

Peer 2 Detection Rate: 33%

1. **Source Code**
2. import java.awt.\*;
3. import java.awt.event.ActionEvent;
4. import java.awt.event.ActionListener;
5. import java.io.\*;
6. import javax.swing.\*;
7. public class charge {
8. private String balance = "";
9. private String min;
10. private String max;
11. charge() {
12. // JFrameのインスタンスを作成
13. JFrame frame = new JFrame("charge");
14. // ウィンドウのサイズを指定
15. frame.setSize(new Dimension(500, 800));
16. // デフォルトの閉じる動作を設定
17. frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);
18. //残高をbalance.csvファイルから読み込む
19. file f = new file();
20. try {
21. balance = f.readFile("balance.csv");
22. //System.out.println(balance);
23. } catch (IOException e) {
24. e.printStackTrace();
25. }
26. //残高の表示: ラベル
27. JPanel panel0 = new JPanel();
28. panel0.setLayout(new BoxLayout(panel0, BoxLayout.Y\_AXIS)); // 縦方向に配置
29. frame.add(panel0, BorderLayout.CENTER);
30. JLabel balanceLabel = new JLabel("<html><font color='red'>balance : " + balance + " yen</font>");
31. panel0.add(balanceLabel);
32. panel0.add(Box.createVerticalStrut(20)); //ラベル間に空白を追加
33. //チャージ
34. min = "1000";
35. max = Integer.toString(500000 - Integer.parseInt(balance));
36. if(490000 < Integer.parseInt(balance)){
37. min = "-";
38. max = "-";
39. }
41. JLabel label1 = new JLabel("Plese enter the amount to charge.");
42. panel0.add(label1);
43. JLabel label2 = new JLabel("<html><font color='blue'>min:" +min+ "yen</font></html>");
44. panel0.add(label2);
45. JLabel label3 = new JLabel("<html><font color='blue'>max:" +max+ " yen</font></html>");
46. panel0.add(label3);
47. panel0.add(Box.createVerticalStrut(20)); //ラベル間に空白を追加
49. JLabel chargeLimit = new JLabel("");
50. panel0.add(chargeLimit);
51. if(490000 < Integer.parseInt(balance)){
52. chargeLimit.setText("The maximum charge amount has been reached.You can't charge.");
53. }
54. }
55. public static void main(String[] args) {
56. new charge();
57. }
58. }