**Experiment Report - 25 - test10\_Page7**

1. **Summary Table of Errors Found**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Error ID | Line Number | Error Type | Self-Detected? | Peer 1 Found? | Peer 2 Found? |
| E01 | Line 66 | Syntax | √ | √ | × |
| E02 | Line 87 | Semantic | √ | × | × |
| E03 | Line 117 | Logic | √ | × | × |

Additional Errors Found by Self: 0

Self-Review Detection Rate: 100%

Peer 1 Detection Rate: 33%

Peer 2 Detection Rate: 0%

1. **Source Code**
2. import javax.smartcardio.Card;
3. import javax.swing.\*;
4. import java.awt.\*;
5. import java.awt.event.ActionEvent;
6. import java.awt.event.ActionListener;
7. import java.util.Arrays;
8. import java.io.BufferedReader;
9. import java.io.FileWriter;
10. import java.io.FileReader;
11. import java.io.IOException;
12. import java.util.ArrayList;
13. import java.util.List;
14. public class Page7 extends JFrame {
15. public static void main(String args[]) {
16. Page7 frame = new Page7("Page7");
17. frame.setVisible(true);
18. }
19. String pf = "profile.csv";
20. String g = "group.csv";
21. private String ID;
22. private String Pass;
23. Page7(String title) {
24. setTitle(title);
25. setSize(1500, 900);
26. setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);
27. // 各パネルの設定
28. JPanel p1 = new JPanel();
29. p1.setLayout(new BoxLayout(p1, BoxLayout.Y\_AXIS));
30. JPanel p2 = new JPanel();
31. JPanel p3 = new JPanel();
32. JLabel label1 = new JLabel("ID");
33. JTextField id = new JTextField(4);
34. p1.add(label1);
35. p1.add(id);
36. JLabel label2 = new JLabel("パスワード");
37. JPasswordField pass = new JPasswordField(4);
38. p1.add(label2);
39. p1.add(pass);
40. JLabel label3 = new JLabel("チーム名");
41. JTextField name = new JTextField(15);
42. p1.add(label3);
43. p1.add(name);
44. JLabel label4 = new JLabel("メンバー");
45. JTextField[] member = new JTextField[4];
46. p1.add(label4);
47. // 確認ボタンの設定
48. JButton check = new JButton("確認");
49. check.addActionListener(new ActionListener() {
50. public void actionPerformed(ActionEvent e) {
52. // ここにデータ処理のコードを挿入
53. String ID = id.getText();
54. char[] password = pass.getPassword();
55. String Pass = String.valueOf(password);
56. String Name = name.getText();
57. StringBuilder combinedMember = new StringBuilder();
58. String Member = combinedMember.toString();
59. List<String> data = Arrays.asList(
60. Arrays.asList(Name, ID, Pass, Member)
61. );
62. // CSVファイル書き込み処理
63. try (BufferedReader br = new BufferedReader(new FileReader(g))) {
64. if (ID.length() > 4 || ID.length() < 1) {
65. JOptionPane.showMessageDialog(null, "IDは４桁です");
66. return;
67. }
68. if (Pass.matches("\\d+") || Pass.length() > 4 || Pass.length() < 1) {
69. JOptionPane.showMessageDialog(null, "パスワードは４桁整数です");
70. }
71. // 既存データの読み込み
72. } catch (IOException ee) {
73. System.err.println("エラー：" + ee.getMessage());
74. }
75. try (FileWriter writer = new FileWriter(pf, true)) {
76. for (List<String> record : data) {
77. writeLine(writer, record);
78. }
79. JOptionPane.showMessageDialog(null, "データが追加されました！");
80. } catch (IOException ee) {
81. System.err.println("エラー:" + ee.getMessage());
82. }
83. Page8 frame = new Page8(title,ID,Pass);
84. frame.setVisible(true);
85. dispose();
86. }
87. });
88. // 戻るボタンの設定
89. ImageIcon origin = new ImageIcon("./bar.png");
90. Image original = origin.getImage();
91. Image resize = original.getScaledInstance(100, 100, Image.SCALE\_SMOOTH);
92. ImageIcon resizedback = new ImageIcon(resize);
93. JButton back = new JButton(resizedback);
94. back.setPreferredSize(new Dimension(resizedback.getIconWidth(), resizedback.getIconHeight()));
95. back.addActionListener(new ActionListener() {
96. public void actionPerformed(ActionEvent e) {
97. Page4 frame = new Page4(title);
98. frame.setVisible(true);
99. dispose();
100. }
101. });
103. p3.add(back);
104. p2.add(back);
105. Container contentPane = getContentPane();
106. contentPane.add(p1, BorderLayout.CENTER);
107. contentPane.add(p2, BorderLayout.WEST);
108. contentPane.add(p3, BorderLayout.EAST);
109. }
110. private static void writeLine(FileWriter writer, List<String> list) throws IOException {
111. boolean first = true;
112. for (String item : list) {
113. if (!first) {
114. writer.append(',');
115. }
116. writer.append(item);
117. first = false;
118. }
119. writer.append('\n');
120. }
121. }