**Experiment Report - 17 - test2\_Page6**

1. **Summary Table of Errors Found**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Error ID | Line Number | Error Type | Self-Detected? | Peer 1 Found? | Peer 2 Found? |
| E01 | Line 68 | Logic | √ | √ | √ |
| E02 | Line 93 | Semantic | √ | × | × |
| E03 | Line 116 | Logic | √ | × | × |

Additional Errors Found by Self: 0

Self-Review Detection Rate: 100%

Peer 1 Detection Rate: 33%

Peer 2 Detection Rate: 33%

1. **Source Code**
2. import javax.swing.\*;
3. import java.awt.\*;
4. import java.awt.event.ActionEvent;
5. import java.awt.event.ActionListener;
6. import java.io.BufferedReader;
7. import java.io.FileWriter;
8. import java.io.FileReader;
9. import java.io.IOException;
10. import java.util.ArrayList;
11. import java.util.Arrays;
12. import java.util.List;
13. public class Page6 extends JFrame {
14. private String Name;
15. private String Pass;
16. String user = "udata.csv";
17. public Page6(String title, String Name, String Pass) {
18. this.Name = Name;
19. this.Pass = Pass;
20. setTitle(title);
21. setSize(1500, 900);
22. setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);
23. JPanel p1 = new JPanel();
24. JPanel p2 = new JPanel();
25. JPanel p3 = new JPanel();
26. JTextField nameField = new JTextField(15);
27. JLabel label1 = new JLabel("名前");
28. JTextField mail = new JTextField(30);
29. JLabel label2 = new JLabel("メールアドレス");
30. JPasswordField passField = new JPasswordField(15);
31. JLabel label3 = new JLabel("パスワード");
32. JTextField address = new JTextField(30);
33. JLabel label4 = new JLabel("住所");
34. JCheckBox[] gender = new JCheckBox[2];
35. gender[0] = new JCheckBox("男");
36. gender[1] = new JCheckBox("女");
37. JTextField birth = new JTextField(30);
38. JLabel label5 = new JLabel("生年月日");
39. JTextField job = new JTextField(30);
40. JLabel label6 = new JLabel("職業");
41. JButton check = new JButton("確認");
42. check.addActionListener(new ActionListener() {
43. public void actionPerformed(ActionEvent e) {
44. // 空白のチェック
45. if (nameField.getText().isEmpty() || mail.getText().isEmpty() || new String(passField.getPassword()).isEmpty()
46. || address.getText().isEmpty() || birth.getText().isEmpty() || job.getText().isEmpty()) {
47. JOptionPane.showMessageDialog(null, "記入していないところがあります。");
48. return;
49. }
50. String newName = nameField.getText();
51. String newMail = mail.getText();
52. char[] password = passField.getPassword();
53. String newPass = String.valueOf(password);
54. String newAddress = address.getText();
55. String newGender = gender[0].isSelected() ? gender[0].getText() : gender[0].getText();
56. String newBirth = birth.getText();
57. String newJob = job.getText();
58. if (newName.length() > 15){
59. JOptionPane.showMessageDialog(null, "名前は１５文字までです。");
60. return;
61. }
62. if (newPass.length() > 15){
63. JOptionPane.showMessageDialog(null, "パスワードは１５文字までです。");
64. return;
65. }
66. if (newAddress.length() > 50){
67. JOptionPane.showMessageDialog(null, "住所は５０文字までです。");
68. return;
69. }
70. if (newJob.length() > 20){
71. JOptionPane.showMessageDialog(null, "仕事は２０文字までです。");
72. return;
73. }
74. // メールアドレスチェック
75. if (!newMail.matches("[a-zA-Z0-9@./+\_!?#$%&\*`\\-]")) {
76. JOptionPane.showMessageDialog(null, "メールアドレスは英数字のみ使用できます。");
77. return;
78. }
79. // 生年月日チェック
80. if (!newBirth.matches("\\d{8}")) {
81. JOptionPane.showMessageDialog(null, "生年月日は8桁の数字で入力してください (例: 20011007)。");
82. return;
83. }
84. int year = Integer.parseInt(newBirth.substring(0, 4));
85. int month = Integer.parseInt(newBirth.substring(4, 6));
86. int day = Integer.parseInt(newBirth.substring(6, 8));
87. // 年の範囲をチェック
88. int currentYear = java.util.Calendar.getInstance().get(java.util.Calendar.YEAR);
89. if (year < (currentYear - 100) || year > currentYear) {
90. JOptionPane.showMessageDialog(null, "生年月日の年が不正です。");
91. return;
92. }
93. // 月と日のチェック
94. if (month < 0 || month > 12 || day < 0 || day > 31) {
95. JOptionPane.showMessageDialog(null, "生年月日の月または日が不正です。");
96. return;
97. }
98. }
99. });
100. public static void main(String args[]) {
101. Page6 page6 = new Page6("defaultName", "defaultPass", "Page6");
102. page6.setVisible(true);
103. }
104. }