



Southern Luzon State University

College of Engineering

CPE Department



“SCREEN QUIZ”

in Partial Fulfillment of the Requirements
for CPE18L – Software Design Laboratory

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BSCPE III – GE

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B. Activity 1

Concept Creation

Screen Quiz is an interactive application designed to provide users with a fun and engaging quiz experience. The application offers a wide variety of questions with multiple-choice options, catering to users' diverse interests and knowledge levels. Each day presents a unique set of questions, with the number of questions varying throughout the month.

In addition to the quiz feature, the application includes a note-taking functionality, allowing users to jot down important information or create quizzes for personal reference. These notes are saved in a notepad within the application, providing a convenient way to store and organize information.

Screen Quiz also offers a curated list of recommended books that are directly linked to an integrated web browser. This feature enables users to explore relevant reading materials related to the quiz topics, offering a comprehensive learning experience.

To ensure user compliance and a safe environment, the application incorporates clear terms and conditions outlining the guidelines for using the program. Users are encouraged to review and adhere to these terms to maintain a positive user experience.

Finally, the application provides a result frame where users can view their scores and evaluation percentages. This feature allows users to track their progress, measure their knowledge, and identify areas for improvement. By providing feedback on performance, Screen Quiz encourages continuous learning and engagement.

Overall, Screen Quiz offers an interactive and user-friendly platform for quizzing, note-taking, and learning. With its diverse question sets, note-saving capabilities, book recommendations, terms and conditions, and result evaluation frame, it provides an immersive and educational experience for users seeking to enhance their knowledge and have fun along the way.

Intended Audience

The intended audience for the Screen Quiz software would primarily be individuals who are interested in testing their knowledge and engaging in interactive quizzes. This could include students, educators, professionals, or anyone seeking a fun and educational way to expand their knowledge in various subjects.

The application's multiple-choice question format makes it accessible to users with different levels of expertise, allowing both beginners and experts to participate and benefit from

the quizzes. The note-taking feature is useful for those who wish to save important information or create personal quizzes for future reference.

Additionally, the integration of a curated list of books linked to an integrated web browser makes the software appealing to avid readers who are keen to explore further resources related to the quiz topics.

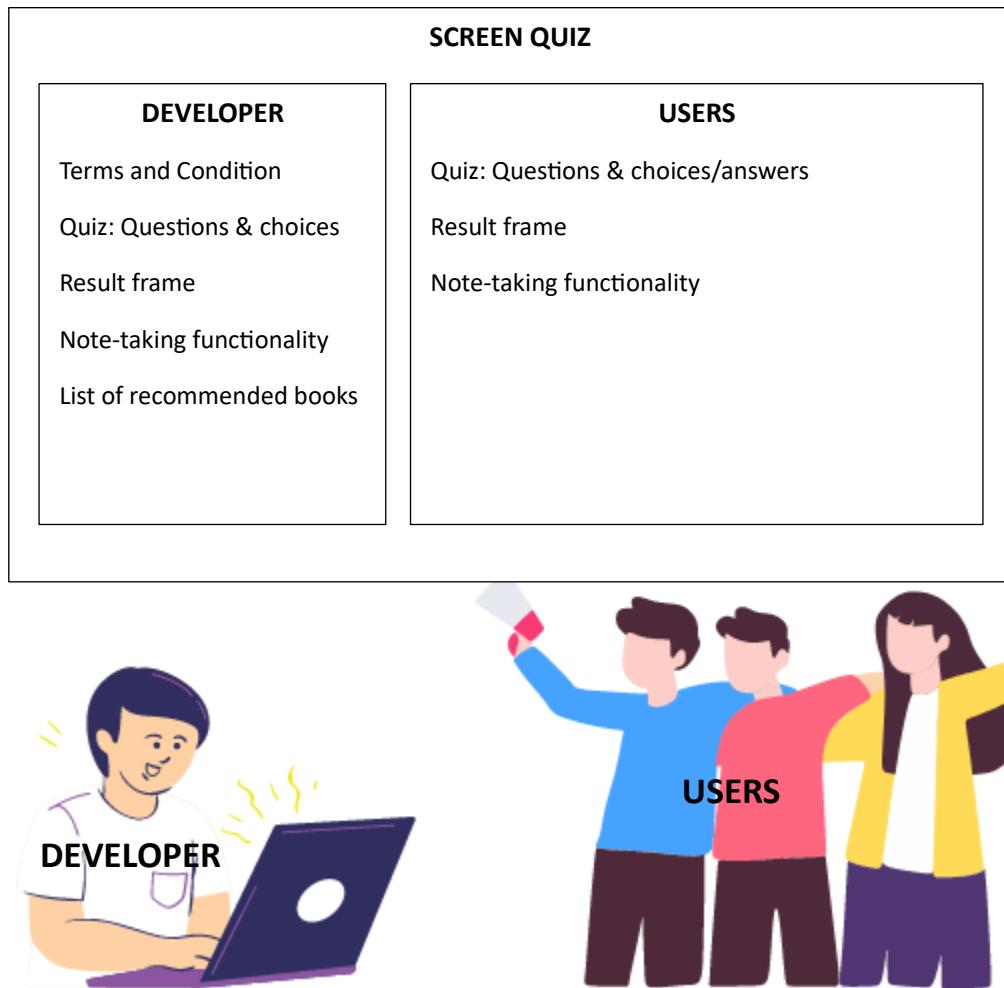
Overall, the software caters to a wide range of individuals who enjoy learning, testing their knowledge, and expanding their understanding in an interactive and engaging manner.

Feature List

1. Multiple-choice quiz: The software offers questions with multiple-choice options, allowing users to select the correct answer from the provided choices. For daily varying question sets, each day presents a unique set of questions, providing users with a fresh experience and preventing repetition.
2. Note-taking functionality: Users can take notes within the application, allowing them to jot down important information or create personal quizzes for future reference. Notepad for saving notes provides a notepad feature where users can save their notes for easy access and organization.
3. List of recommended books: The software includes a curated list of books that are directly linked to an integrated web browser. Users can explore these recommended books for further learning and enrichment. Integrated web browser incorporates a web browser, allowing users to directly open and access the recommended books or browse additional resources related to the quiz topics.
4. Terms and conditions: The software includes a clearly defined set of terms and conditions that outline the guidelines for using the program, ensuring user compliance and maintaining a safe and positive user experience.
5. Result frame: Users can view their scores and evaluation percentages in the result frame, providing feedback on their performance and allowing them to track their progress and identify areas for improvement.

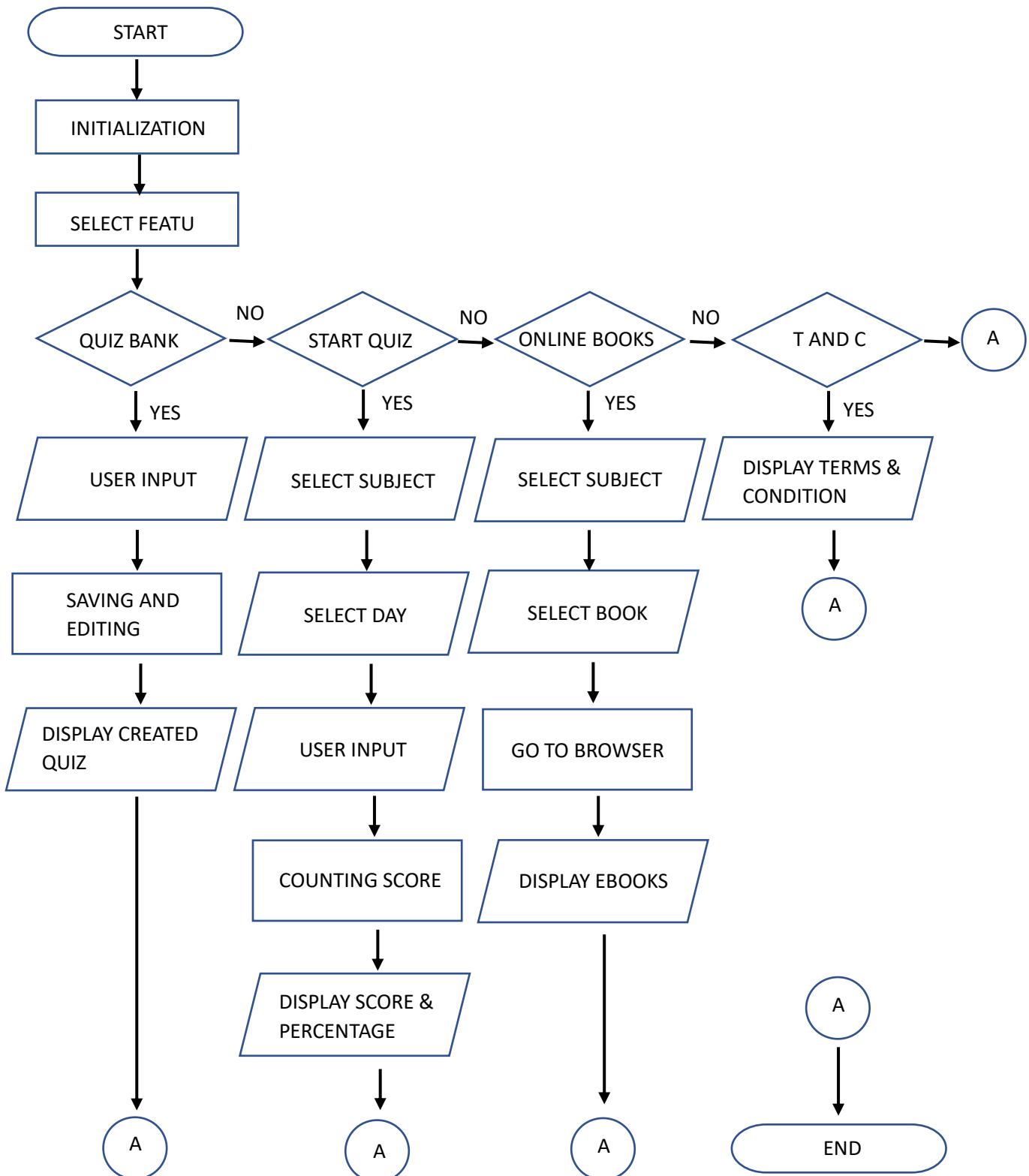
C. Activity 2

Use Case Diagram



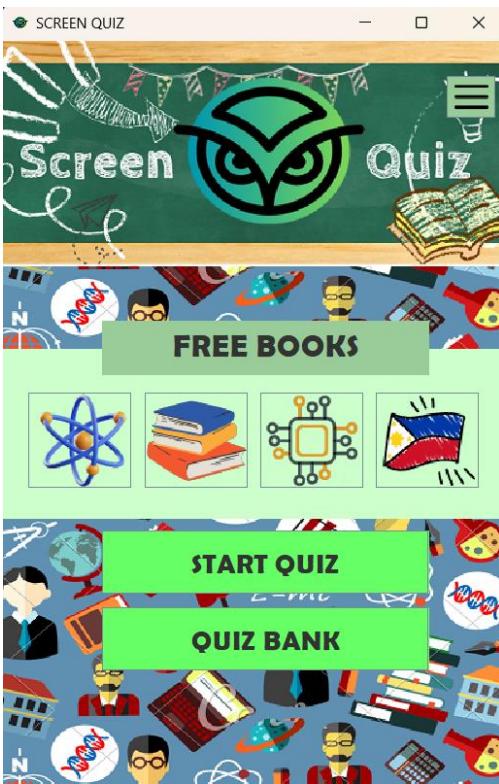
The use case diagram illustrates the interactions between the Developer and Users in the Screen Quiz software. The Developer defines and provides the terms and conditions for using the application, while also creating quiz questions with multiple-choice options. Both the Developer and Users can view the results in the resulting frame, and Users have the ability to take notes within the app for personal use. Additionally, the Developer offers a list of recommended books for Users to explore. Overall, the diagram showcases the functionalities of the software, including quiz participation, result display, note-taking, and access to recommended reading materials.

Flowchart

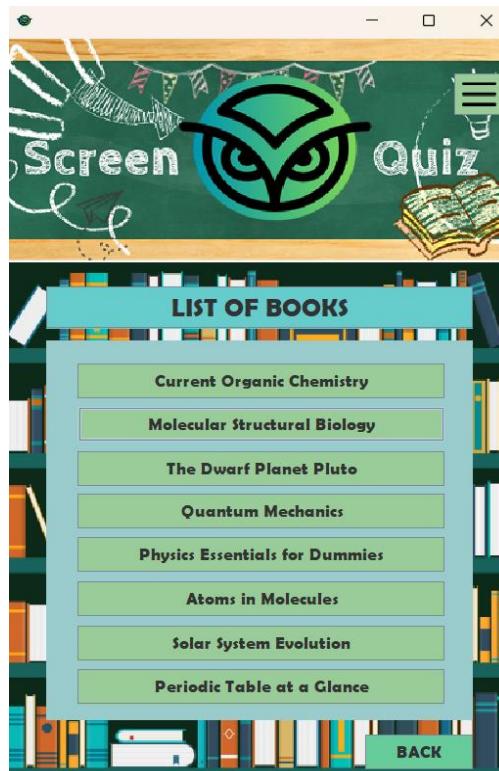


D. Activity 3

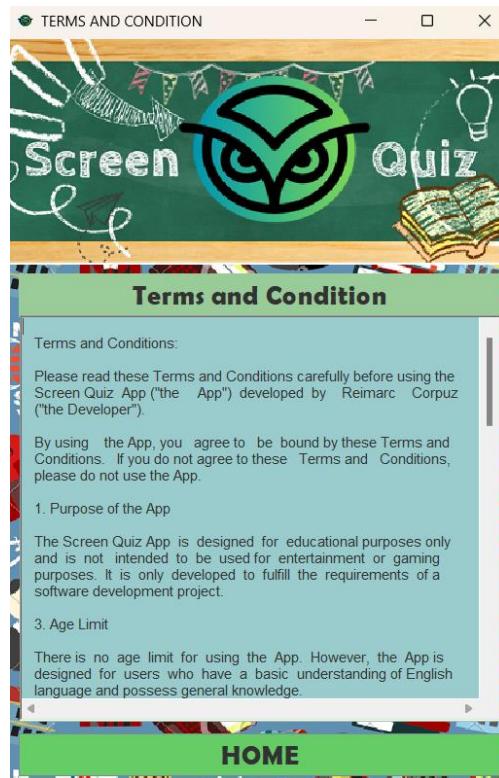
MAIN INTERFACE



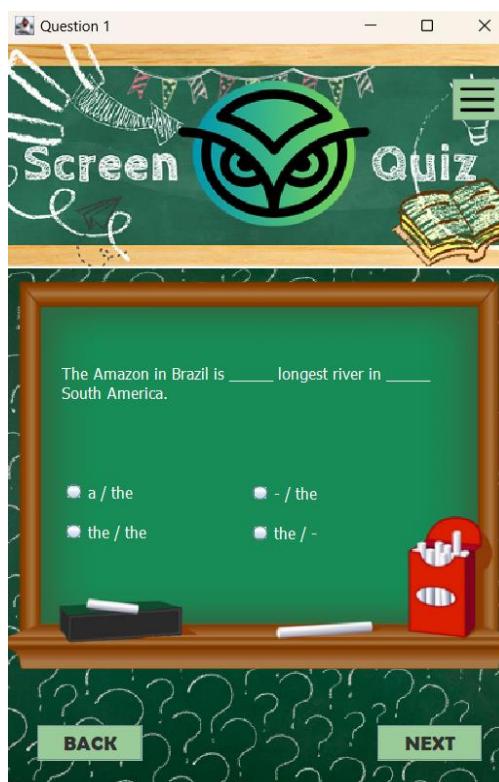
ONLINE BOOKS



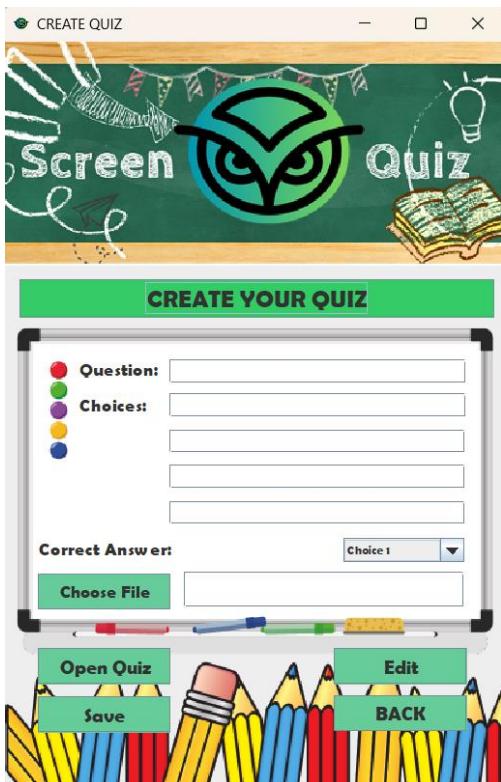
TERMS AND CONDITIONS



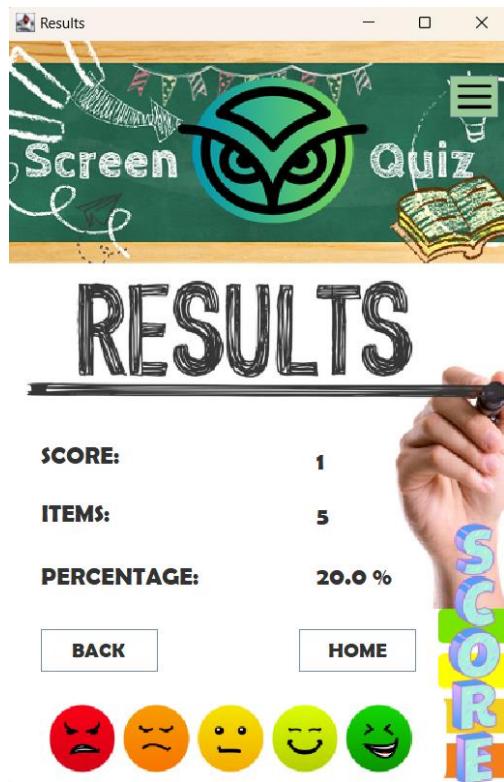
START QUIZ



QUIZ BANK



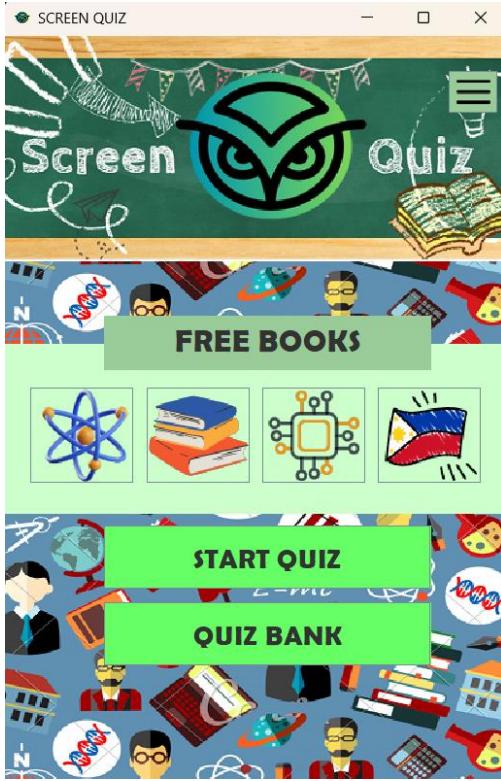
RESULTS



Logo



E. Screenshots of each frame with its corresponding codes



```
1 import javax.swing.*;
2 import java.awt.*;
3 import java.awt.event.*;
4 
5 public class ScreenQuiz extends JFrame {
6 
7     private JPanel contentPane;
8 
9     /**
10      * Launch the application.
11     */
12    public static void main(String[] args) {
13        ScreenQuiz frame = new ScreenQuiz();
14        frame.setVisible(true);
15    }
16 }
17 /**
18  * Create the frame.
19 */
20 public ScreenQuiz() {
21     setTitle("SCREEN QUIZ");
22     setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
23     setBounds(100, 100, 431, 654);
24 
25     // Set the icon image
26     ImageIcon icon = new ImageIcon("D:\\CPE Files\\ES COMPUTER ENGINEERING\\BSCPE - 3GF\\2nd Semester\\CPE101 Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png");
27     setIconImage(icon.getImage());
28 
29     contentPane = new JPanel();
30     contentPane.setBackground(new Color(204, 255, 153));
31 
32     setContentPane(contentPane);
33 
34     //Button to start the quiz it will call the StartButton class
35     JButton btnNewButton = new JButton("START QUIZ");
36     btnNewButton.addMouseListener(new MouseAdapter() {
37         @Override
38         public void mouseClicked(MouseEvent e) {
39 
40 
41 
42 
43 
44 
45 
46 
47 
48 
49 
50 
51 
52 
53 
54 
55 
56 
57 
58 
59 
59 }
```

```

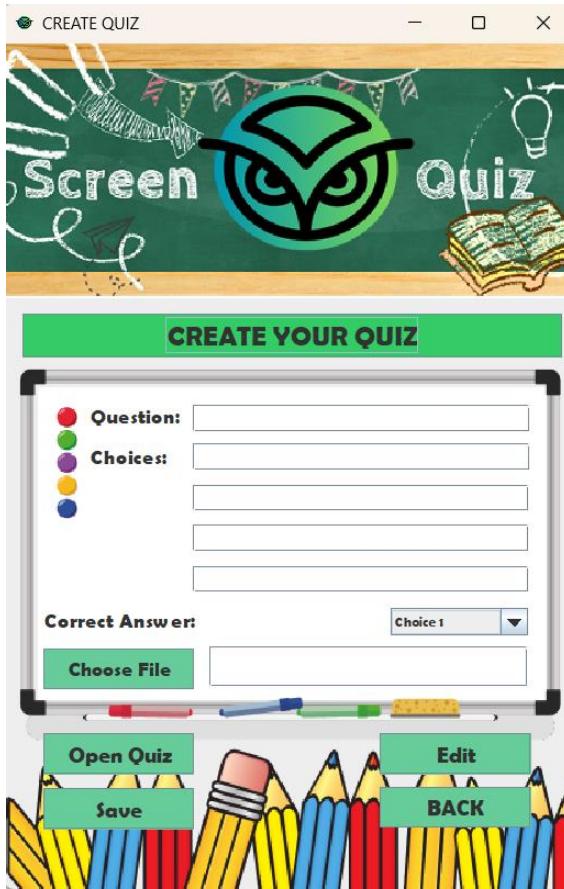
42         StartButton start = new StartButton();
43         setVisible(false);
44         start.setVisible(true);
45     });
46 }
47 JButton btnNewButton = new JButton("NEW");
48 btnNewButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 23));
49 btnNewButton.setBackground(new Color(102, 255, 102));
50 btnNewButton.setBounds(63, 404, 269, 52);
51 btnNewButton.addActionListener(new ActionListener() {
52     public void actionPerformed(ActionEvent e) {
53         }
54     });
55 contentPane.setLayout(null);
56
57 JButton btnNewButton_1 = new JButton("");
58 btnNewButton_1.addMouseListener(new MouseAdapter() {
59     @Override
60     public void mouseClicked(MouseEvent e) {
61         Terms terms = new Terms();
62         setVisible(false);
63         terms.setVisible(true);
64     }
65 });
66 //This is an icon for terms and condition of the application
67 btnNewButton_1.setBackground(new Color(153, 204, 153));
68 btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE1SL Software Design Lab\\Untitled (40 x 40 px) (40 x 40 px).png"));
69 btnNewButton_1.setBounds(367, 29, 40, 35);
70 contentPane.add(btnNewButton_1);
71
72 //This is the header background image
73 JLabel lblNewLabel_2 = new JLabel("");
74 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE1SL Software Design Lab\\Untitled (193 x 162 px) (4).png"));
75 lblNewLabel_2.setBounds(120, 10, 193, 162);
76 contentPane.add(lblNewLabel_2);
77 JPanel panel_1 = new JPanel();
78 panel_1.setBackground(new Color(153, 204, 153));
79 panel_1.setBounds(63, 231, 269, 45);
80 contentPane.add(panel_1);
81
82
83 JLabel lblNewLabel = new JLabel("FREE BOOKS");
84 panel_1.add(lblNewLabel);
85 lblNewLabel.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 26));
86 contentPane.add(btnNewButton);
87
88 //This is a button for creating a notes for quiz, it will call the Create class
89 JButton btnCreateQuiz = new JButton("CREATE QUIZ");
90 btnCreateQuiz.addMouseListener(new MouseAdapter() {
91     @Override
92     public void mouseClicked(MouseEvent e) {
93         Create Create = new Create();
94         setVisible(false);
95         Create.setVisible(true);
96     }
97 });
98 btnCreateQuiz.setBackground(new Color(102, 255, 102));
99 btnCreateQuiz.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 23));
100 btnCreateQuiz.setBounds(63, 467, 269, 52);
101 contentPane.add(btnCreateQuiz);
102
103 JButton btnCalendar = new JButton("CLOCK");
104 btnCalendar.addMouseListener(new MouseAdapter() {
105     @Override
106     public void mouseClicked(MouseEvent e) {
107         SPINNER SPINNER = new SPINNER();
108         setVisible(false);
109         SPINNER.setVisible(true);
110     }
111 });
112 btnCalendar.setBackground(new Color(102, 255, 102));
113 btnCalendar.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 23));
114 btnCalendar.setBounds(63, 529, 269, 52);
115 contentPane.add(btnCalendar);
116
117 JPanel panel = new JPanel();
118 panel.setBackground(new Color(204, 255, 204));
119 panel.setBounds(63, 254, 417, 140);
120 contentPane.add(panel);
121

```

```

122 panel.setLayout(null);
123
124 //This is an image button for for Science book
125 JButton btnNewButton_2 = new JButton("");
126 btnNewButton_2.addMouseListener(new MouseAdapter() {
127     @Override
128     public void mouseClicked(MouseEvent e) {
129         SciBOOK calendar = new SciBOOK();
130         setVisible(false);
131         calendar.setVisible(true);
132     }
133 });
134 btnNewButton_2.setBackground(new Color(204, 255, 204));
135 btnNewButton_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Untitled (85 x 79 px).png"));
136 btnNewButton_2.setBounds(22, 36, 85, 79);
137 panel.add(btnNewButton_2);
138
139 //This is an image button for English book
140 JButton btnNewButton_2_1 = new JButton("");
141 btnNewButton_2_1.addMouseListener(new MouseAdapter() {
142     @Override
143     public void mouseClicked(MouseEvent e) {
144         EngBOOK calendar = new EngBOOK();
145         setVisible(false);
146         calendar.setVisible(true);
147     }
148 });
149 btnNewButton_2_1.setBackground(new Color(204, 255, 204));
150 btnNewButton_2_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\english.png"));
151 btnNewButton_2_1.setBounds(118, 36, 85, 79);
152 panel.add(btnNewButton_2_1);
153
154 //This is an image button for Computer Technology button
155 JButton btnNewButton_2_2 = new JButton("");
156 btnNewButton_2_2.addMouseListener(new MouseAdapter() {
157     @Override
158     public void mouseClicked(MouseEvent e) {
159         CompTechBOOK calendar = new CompTechBOOK();
160         setVisible(false);
161         calendar.setVisible(true);
162     }
163 });
164 btnNewButton_2_2.setBackground(new Color(204, 255, 204));
165 btnNewButton_2_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\computer.png"));
166 btnNewButton_2_2.setBounds(213, 36, 85, 79);
167 panel.add(btnNewButton_2_2);
168
169 //This is an image button for Filipino book
170 JButton btnNewButton_2_3 = new JButton("");
171 btnNewButton_2_3.addMouseListener(new MouseAdapter() {
172     @Override
173     public void mouseClicked(MouseEvent e) {
174         FILBOOK calendar = new FILBOOK();
175         setVisible(false);
176         calendar.setVisible(true);
177     }
178 });
179 btnNewButton_2_3.setBackground(new Color(204, 255, 204));
180 btnNewButton_2_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\tagalog.png"));
181 btnNewButton_2_3.setBounds(308, 36, 85, 79);
182 panel.add(btnNewButton_2_3);
183
184 //This is the insertion of the logo of the application given its position boundary
185 JLabel lblNewLabel_3 = new JLabel("");
186 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Bg for logo.png"));
187 lblNewLabel_3.setBounds(0, 0, 417, 186);
188 contentPane.add(lblNewLabel_3);
189
190 //This is the overall background the main page or frame
191 JLabel lblNewLabel_1 = new JLabel("New label");
192 lblNewLabel_1.setBounds(0, 0, 432, 654);
193 contentPane.add(lblNewLabel_1);
194 lblNewLabel_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\background.png"));
195
196 }

```



```

1● import javax.swing.*;
2● import java.awt.*;
3● import java.awt.event.*;
4● import java.io.BufferedReader;
5● import java.io.FileWriter;
6● import java.io.IOException;
7● import java.io.File;
8
9 public class Create extends JFrame {
10
11    private JPanel contentPane;
12    private JTextField questionField;
13    private JTextField choice1Field;
14    private JTextField choice2Field;
15    private JTextField choice3Field;
16    private JTextField choice4Field;
17    private JComboBox<String> correctAnswerComboBox;
18    private JButton saveButton;
19    private JButton choosefileButton;
20    private JTextField filePathField;
21    private JButton editButton;
22
23
24● /**
25     * Launch the application.
26     */
27● public static void main(String[] args) {
28     EventQueue.invokeLater(() -> {
29         try {
30             Create frame = new Create();
31             frame.setVisible(true);
32         } catch (Exception e) {
33             e.printStackTrace();
34         }
35     });
36 }
37
38● /**
39     * Create the frame.
40     */
41● public Create() {

```

```

42     setTitle("CREATE QUIZ");
43     setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
44     setBounds(100, 100, 431, 654); // Adjusted frame bounds
45
46 // Set the icon image
47 ImageIcon icon = new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GP\\2nd Semester\\CPE10L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png");
48     setIconImage(icon.getImage());
49
50     contentPane = new JPanel();
51     setContentPane(contentPane);
52     contentPane.setLayout(null);
53
54     JButton btnNewButton_11 = new JButton("BACK");
55     btnNewButton_11.addMouseListener(new MouseAdapter() {
56         @Override
57         public void mouseClicked(MouseEvent e) {
58             ScreenQuiz sScreenQuiz = new ScreenQuiz();
59             setVisible(false);
60             sScreenQuiz.setVisible(true);
61         }
62     });
63     btnNewButton_11.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 16));
64     btnNewButton_11.setBackground(new Color(102, 204, 153));
65     btnNewButton_11.setBounds(274, 542, 110, 30);
66     contentPane.add(btnNewButton_11);
67
68     JLabel lblNewLabel_1 = new JLabel("");
69     lblNewLabel_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GP\\2nd Semester\\CPE10L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
70     lblNewLabel_1.setBounds(120, 10, 193, 162);
71     contentPane.add(lblNewLabel_1);
72
73     JLabel lblNewLabel = new JLabel("");
74     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GP\\2nd Semester\\CPE10L Software Design Lab\\Bg for logo.png"));
75     lblNewLabel.setBounds(0, 0, 417, 106);
76     contentPane.add(lblNewLabel);
77
78     JLabel lblQuestion = new JLabel("Question:");
79     lblQuestion.setBackground(new Color(153, 204, 204));
80     lblQuestion.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 15));
81     lblQuestion.setBounds(63, 262, 106, 29);
82     contentPane.add(lblQuestion);
83
84     questionField = new JTextField();
85     questionField.setBackground(new Color(255, 255, 255));
86     questionField.setBounds(138, 264, 246, 20);
87     contentPane.add(questionField);
88     questionField.setColumns(10);
89
90     JLabel lblChoices = new JLabel("Choices:");
91     lblChoices.setBackground(new Color(153, 204, 204));
92     lblChoices.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 15));
93     lblChoices.setBounds(63, 292, 106, 20);
94     contentPane.add(lblChoices);
95
96     choice1Field = new JTextField();
97     choice1Field.setBounds(138, 292, 246, 20);
98     contentPane.add(choice1Field);
99     choice1Field.setColumns(10);
100
101    choice2Field = new JTextField();
102    choice2Field.setBounds(138, 322, 246, 20);
103    contentPane.add(choice2Field);
104    choice2Field.setColumns(10);
105
106    choice3Field = new JTextField();
107    choice3Field.setBounds(138, 351, 246, 20);
108    contentPane.add(choice3Field);
109    choice3Field.setColumns(10);
110
111    choice4Field = new JTextField();
112    choice4Field.setBounds(138, 381, 246, 20);
113    contentPane.add(choice4Field);
114    choice4Field.setColumns(10);
115
116 //The user will select the correct answer the he/she inputed in the choices
117    JLabel lblCorrectAnswer = new JLabel("Correct Answer:");
118    lblCorrectAnswer.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 15));
119    lblCorrectAnswer.setBounds(30, 411, 135, 20);
120    contentPane.add(lblCorrectAnswer);
121
122    correctAnswerComboBox = new JComboBox<>();

```

```

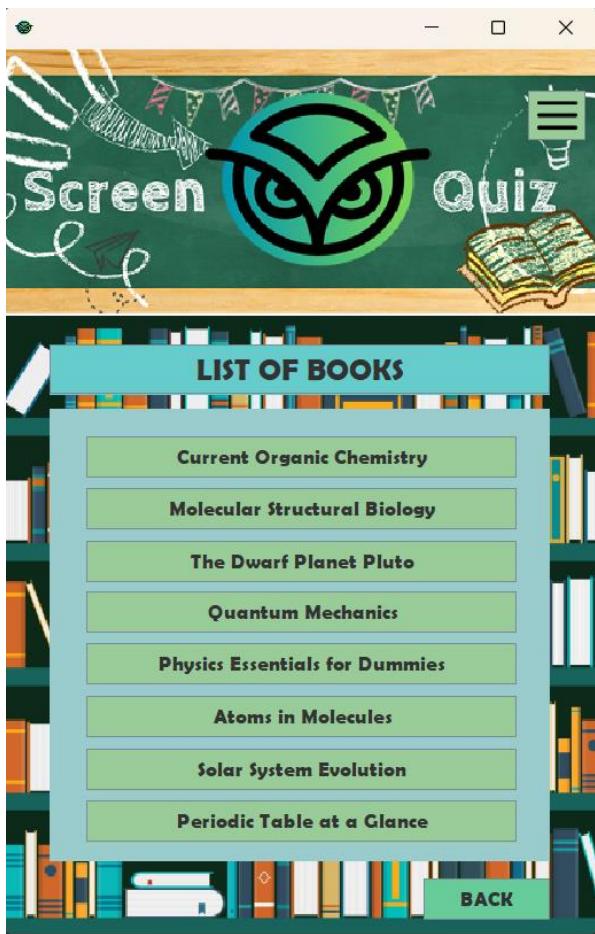
123     correctAnswerComboBox.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 10));
124     correctAnswerComboBox.setBounds(282, 412, 100, 20);
125     correctAnswerComboBox.addItem("Choice 1");
126     correctAnswerComboBox.addItem("Choice 2");
127     correctAnswerComboBox.addItem("Choice 3");
128     correctAnswerComboBox.addItem("Choice 4");
129     contentPane.add(correctAnswerComboBox);
130
131 //This button will display the file manager of the computer to locate the file to be save or to edit
132 chooseFileButton = new JButton("Choose File");
133 chooseFileButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
134 chooseFileButton.setBackground(new Color(102, 204, 153));
135 chooseFileButton.setBounds(25, 441, 110, 30);
136 chooseFileButton.addActionListener(new ActionListener() {
137     public void actionPerformed(ActionEvent e) {
138         JFileChooser fileChooser = new JFileChooser();
139         int result = fileChooser.showSaveDialog(null);
140         if (result == JFileChooser.APPROVE_OPTION) {
141             File selectedFile = fileChooser.getSelectedFile();
142             String filePath = selectedFile.getAbsolutePath();
143             filePathField.setText(filePath);
144         }
145     }
146 });
147 contentPane.add(chooseFileButton);
148
149 filePathField = new JTextField();
150 filePathField.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 10));
151 filePathField.setBounds(150, 440, 232, 30);
152 contentPane.add(filePathField);
153 filePathField.setColumns(10);
154
155 //Once the user inputed the question and all the choices as well as the correct answer, the user will select also the location in the file manager
156 //The save button will command to save all the inputed data
157 saveButton = new JButton("Save");
158 saveButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 16));
159 saveButton.setBackground(new Color(102, 204, 153));
160 saveButton.setBounds(25, 543, 110, 30);
161 saveButton.addActionListener(new ActionListener() {
162     public void actionPerformed(ActionEvent e) {
163
164         String question = questionField.getText();
165         String choice1 = choice1Field.getText();
166         String choice2 = choice2Field.getText();
167         String choice3 = choice3Field.getText();
168         String choice4 = choice4Field.getText();
169         String correctAnswer = (String) correctAnswerComboBox.getSelectedItem();
170
171         // Save the quiz to a text file
172         try {
173             String filePath = filePathField.getText();
174
175             // Open the file for appending
176             BufferedWriter writer = new BufferedWriter(new FileWriter(filePath, true));
177             // Write the quiz data to the file
178             writer.write("Question: " + question + "\n");
179             writer.write("Choice 1: " + choice1 + "\n");
180             writer.write("Choice 2: " + choice2 + "\n");
181             writer.write("Choice 3: " + choice3 + "\n");
182             writer.write("Choice 4: " + choice4 + "\n");
183             writer.write("Correct Answer: " + correctAnswer + "\n");
184             writer.write("-----\n");
185             // Close the file
186             writer.close();
187
188             JOptionPane.showMessageDialog(null, "Quiz saved successfully!");
189
190             // Clear the fields
191             questionField.setText("");
192             choice1Field.setText("");
193             choice2Field.setText("");
194             choice3Field.setText("");
195             choice4Field.setText("");
196             correctAnswerComboBox.setSelectedIndex(0);
197
198         } catch (IOException ex) {
199             ex.printStackTrace();
200             JOptionPane.showMessageDialog(null, "Error occurred while saving the quiz.");
201         }
202     }
203 });
204 contentPane.add(saveButton);

```

```

203     contentPane.add(saveButton);
204
205     //The user can also open he she created quiz
206     JButton openQuizButton = new JButton("Open Quiz");
207     openQuizButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 16));
208     openQuizButton.setBackground(new Color(102, 204, 153));
209     openQuizButton.setBounds(23, 503, 110, 30);
210     openQuizButton.addActionListener(new ActionListener() {
211         public void actionPerformed(ActionEvent e) {
212             String filePath = filePathField.getText();
213             File file = new File(filePath);
214
215             if (file.exists()) {
216                 try {
217                     Desktop.getDesktop().open(file);
218                 } catch (IOException ex) {
219                     ex.printStackTrace();
220                     JOptionPane.showMessageDialog(null, "Error occurred while opening the quiz file.");
221                 }
222             } else {
223                 JOptionPane.showMessageDialog(null, "No quiz file found.");
224             }
225
226             //dispose(); // Close the current frame
227         }
228     });
229     contentPane.add(openQuizButton);
230
231     //There is also an option where the user can edit his/her existing file in the file manager
232     JButton editButton = new JButton("Edit");
233     editButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 16));
234     editButton.setBackground(new Color(102, 204, 153));
235     editButton.setBounds(274, 503, 110, 30);
236     editButton.addActionListener(new ActionListener() {
237         public void actionPerformed(ActionEvent e) {
238             String filePath = filePathField.getText();
239             File file = new File(filePath);
240
241             if (file.exists()) {
242                 try {
243                     Desktop.getDesktop().edit(file);
244
245                 } catch (IOException ex) {
246                     ex.printStackTrace();
247                     JOptionPane.showMessageDialog(null, "Error occurred while editing the quiz file.");
248                 }
249             } else {
250                 JOptionPane.showMessageDialog(null, "No quiz file found.");
251             }
252         }
253     });
254     contentPane.add(editButton);
255
256     JLabel lblNewLabel_2 = new JLabel("");
257     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\pencil.png"));
258     lblNewLabel_2.setBounds(0, 182, 417, 435);
259     contentPane.add(lblNewLabel_2);
260
261     JButton btnNewButton_10 = new JButton("CREATE YOUR QUIZ");
262     btnNewButton_10.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
263     btnNewButton_10.setBackground(new Color(51, 204, 102));
264     btnNewButton_10.setBounds(14, 197, 393, 35);
265
266 }
267 }
268

```



```

1 import javax.swing.*;
2 import java.awt.*;
3 import java.awt.event.*;
4 import java.net.*;
5
6 public class SciBOOK extends JFrame {
7
8     private JPanel contentPane;
9
10    /**
11     * Launch the application.
12     */
13    public static void main(String[] args) {
14        SciBOOK frame = new SciBOOK();
15        frame.setVisible(true);
16    }
17}
18
19 /**
20  * Create the frame.
21  */
22 public SciBOOK() {
23     setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
24     setBounds(100, 100, 431, 654);
25
26     // Set the icon image
27     ImageIcon icon = new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScPE - 3GP\\2nd Semester\\CPE18L Software Design Lab\\CORPUS\\Untitled (193 x 162 px) (4).png");
28     setIconImage(icon.getImage());
29
30     contentPane = new JPanel();
31     contentPane.setBackground(new Color(204, 255, 153));
32
33     setContentPane(contentPane);
34     contentPane.setLayout(null);
35
36     //The following JButton are the list of books about Science
37     JButton btnLink_7 = new JButton("Periodic Table at a Glance");
38     btnLink_7.setBackground(new Color(153, 204, 153));
39     btnLink_7.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
40     btnLink_7.setBounds(69, 524, 300, 29);
41

```

```

120     btnLink_7.addActionListener(new ActionListener() {
121         @Override
122         //The link provide below once the user click the specific book button will go to google Chromes and will display the provided book
123         public void actionPerformed(ActionEvent e) {
124             try {
125                 Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=qCJ1Vm7tGE&dq=table+of+elements&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwju2JSx4
126             } catch (Exception ex) {
127                 ex.printStackTrace();
128             }
129         }
130     });
131
132     //Second book
133     JButton btnLink_6 = new JButton("Solar System Evolution");
134     btnLink_6.setBackground(new Color(153, 204, 153));
135     btnLink_6.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
136     btnLink_6.setBounds(59, 488, 300, 29);
137     btnLink_6.addActionListener(new ActionListener() {
138         @Override
139         public void actionPerformed(ActionEvent e) {
140             try {
141                 Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=R3QRq4K0jIEC&printsec=frontcover&dq=solar+system&hl=en&newbks=1&newbks_redir=1&sa=X&ved
142             } catch (Exception ex) {
143                 ex.printStackTrace();
144             }
145         }
146     });
147
148     //Third book
149     JButton btnLink_5 = new JButton("Atoms in Molecules");
150     btnLink_5.setBackground(new Color(153, 204, 153));
151     btnLink_5.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
152     btnLink_5.setBounds(59, 451, 300, 29);
153     btnLink_5.addActionListener(new ActionListener() {
154         @Override
155         public void actionPerformed(ActionEvent e) {
156             try {
157                 Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=tyVpqgAACAAJ&dq=atoms&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwzwMHC4cf-AhXxsFYB
158             } catch (Exception ex) {
159                 ex.printStackTrace();
160             }
161         }
162     });
163
164     //Fourth book
165     JButton btnLink_4 = new JButton("Physics Essentials for Dummies");
166     btnLink_4.setBackground(new Color(153, 204, 153));
167     btnLink_4.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
168     btnLink_4.setBounds(59, 414, 300, 29);
169     btnLink_4.addActionListener(new ActionListener() {
170         @Override
171         public void actionPerformed(ActionEvent e) {
172             try {
173                 Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=VjKRDwAAQBAJ&printsec=frontcover&dq=Physics&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahU
174             } catch (Exception ex) {
175                 ex.printStackTrace();
176             }
177         }
178     });
179
180     //Fifth book
181     JButton btnLink_3 = new JButton("Quantum Mechanics");
182     btnLink_3.setBackground(new Color(153, 204, 153));
183     btnLink_3.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
184     btnLink_3.setBounds(59, 378, 300, 29);
185     btnLink_3.addActionListener(new ActionListener() {
186         @Override
187         public void actionPerformed(ActionEvent e) {
188             try {
189                 Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=ZzimY9yQSC0C&printsec=frontcover&dq=Quantum+mechanics&hl=en&newbks=1&newbks_redir=1&sa
190             } catch (Exception ex) {
191                 ex.printStackTrace();
192             }
193         }
194     });
195
196     //Sixth book
197     JButton btnLink_2 = new JButton("The Dwarf Planet Pluto");
198     btnLink_2.setBackground(new Color(153, 204, 153));
199     btnLink_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
200     btnLink_2.setBounds(59, 343, 300, 29);
201     btnLink_2.addActionListener(new ActionListener() {
202

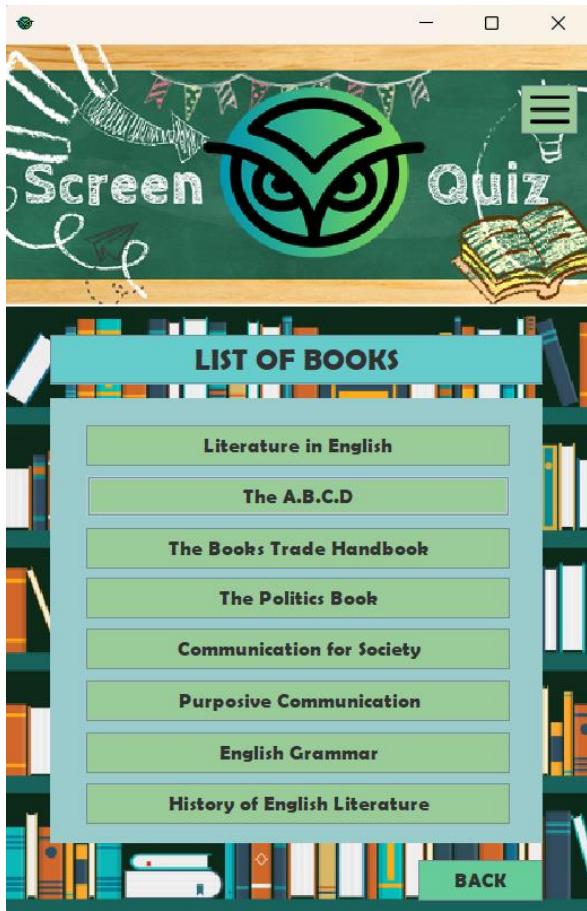
```

```

134●
135     @Override
136     public void actionPerformed(ActionEvent e) {
137         try {
138             Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=eOoCONjWW6sC&printsec=frontcover&q=planet%20shl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwvjkpcxLAs
139         } catch (Exception ex) {
140             ex.printStackTrace();
141         }
142     });
143
144     //Seventh book
145     JButton btnLink_1 = new JButton("Molecular Structural Biology");
146     btnLink_1.setBackground(new Color(153, 204, 153));
147     btnLink_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
148     btnLink_1.setBounds(59, 306, 300, 29);
149     btnLink_1.addActionListener(new ActionListener() {
150
151         @Override
152         public void actionPerformed(ActionEvent e) {
153             try {
154                 Desktop.getDesktop().browse(new URI("https://books.google.com.ph/books?id=2BapDwAQBAJ&printsec=frontcover&q=Biology%20shl=en&newbks=1&newbks_redir=1&sa=X&ved=2
155             } catch (Exception ex) {
156                 ex.printStackTrace();
157             }
158         }
159     });
160
161     // Add the button for the link
162     JButton btnLink = new JButton("Current Organic Chemistry");
163     btnLink.setBackground(new Color(153, 204, 153));
164     btnLink.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
165     btnLink.setBounds(59, 270, 300, 29);
166     btnLink.addActionListener(new ActionListener() {
167
168         @Override
169         public void actionPerformed(ActionEvent e) {
170             try {
171                 Desktop.getDesktop().browse(new URI("https://books.google.com.ph/books?id=ue2nHwIQllEC&printsec=frontcover&q=Chemistry%20shl=en&sa=X&ved=2ahUKEwvjkpcxLAs
172             } catch (Exception ex) {
173                 ex.printStackTrace();
174             }
175         }
176     });
177
178     JButton btnNewButton_2 = new JButton("BACK");
179     btnNewButton_2.addMouseListener(new MouseAdapter() {
180
181         @Override
182         public void mouseClicked(MouseEvent e) {
183             ScreenQuiz create = new ScreenQuiz();
184             setVisible(false);
185             create.setVisible(true);
186         }
187     });
188     btnNewButton_2.setBackground(new Color(102, 204, 153));
189     btnNewButton_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
190     btnNewButton_2.setBounds(294, 578, 88, 29);
191     contentPane.add(btnNewButton_2);
192     contentPane.add(btnLink);
193
194     JButton btnNewButton = new JButton("LIST OF BOOKS");
195     btnNewButton.setBackground(new Color(102, 204, 204));
196     btnNewButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 21));
197     btnNewButton.setBounds(33, 206, 349, 35);
198     contentPane.add(btnNewButton);
199     contentPane.add(btnLink_1);
200     contentPane.add(btnLink_2);
201     contentPane.add(btnLink_3);
202     contentPane.add(btnLink_4);
203     contentPane.add(btnLink_5);
204     contentPane.add(btnLink_6);
205     contentPane.add(btnLink_7);
206
207     JPanel panel = new JPanel();
208     panel.setBackground(new Color(153, 204, 204));
209     panel.setBounds(33, 251, 349, 315);
210     contentPane.add(panel);
211
212     JButton btnNewButton_1 = new JButton("https://books.google.com.ph/books?id=rJBG8k8kfV0C&pg=PR14&q=english+books%20shl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwiupfsD3cf-A
213     btnNewButton_1.addMouseListener(new MouseAdapter() {
214
215         @Override
216         public void mouseClicked(MouseEvent e) {
217             Terms terms = new Terms();
218             setVisible(false);
219         }
220     });

```

```
205         terms.setVisible(true);
206     }
207   });
208   JButton btnNewButton1 = new JButton("");
209   btnNewButton1.addMouseListener(new MouseAdapter() {
210     @Override
211     public void mouseClicked(MouseEvent e) {
212       Terms terms = new Terms();
213       setVisible(false);
214       terms.setVisible(true);
215     }
216   });
217   btnNewButton1.setBackground(new Color(153, 204, 153));
218   btnNewButton1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40 px).png"));
219   btnNewButton1.setBounds(167, 29, 40, 35);
220   contentPane.add(btnNewButton1);
221
222   JLabel lblNewLabel_2 = new JLabel("");
223   lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
224   lblNewLabel_2.setBounds(120, 10, 193, 162);
225   contentPane.add(lblNewLabel_2);
226
227   JLabel lblNewLabel_3 = new JLabel("");
228   lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
229   lblNewLabel_3.setBounds(0, 417, 186);
230   contentPane.add(lblNewLabel_3);
231
232   JLabel lblNewLabel = new JLabel("");
233   lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 433 px).png"));
234   lblNewLabel.setBounds(0, 185, 417, 432);
235   contentPane.add(lblNewLabel);
236
237 }
238 }
```



```

1● import javax.swing.*;
2● import java.awt.*;
3● import java.awt.event.*;
4● import java.net.*;
5●
6● public class EngBOOK extends JFrame {
7●     private JPanel contentPane;
8●
9●     /**
10●      * Launch the application.
11●      */
12●     public static void main(String[] args) {
13●         EngBOOK frame = new EngBOOK();
14●         frame.setVisible(true);
15●     }
16● }
17●
18● /**
19●      * Create the frame.
20●      */
21● public EngBOOK() {
22●     setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
23●     setBounds(100, 100, 431, 654);
24●
25●     // Set the icon image
26●     ImageIcon icon = new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png");
27●     setIconImage(icon.getImage());
28●
29●     contentPane = new JPanel();
30●     contentPane.setBackground(new Color(204, 255, 153));
31●
32●     setContentPane(contentPane);
33●     contentPane.setLayout(null);
34●
35●     //The following command for buttons for the given list of books are the same with other class of subjects
36●     //It is linked to the google chrome to display the online books
37●
38●
39●
40●
41●

```

```

12 JButton btnLink_7 = new JButton("History of English Literature");
13 btnLink_7.setBackground(new Color(153, 204, 153));
14 btnLink_7.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
15 btnLink_7.setBounds(59, 524, 300, 29);
16 btnLink_7.addActionListener(new ActionListener() {
17     @Override
18     public void actionPerformed(ActionEvent e) {
19         try {
20             Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=8DwIAQAAJ&printsec=frontcover&q=English+Literature+books&hl=en&newbks=1&newbks_redir=1"));
21         } catch (Exception ex) {
22             ex.printStackTrace();
23         }
24     }
25 });
26
27 JButton btnLink_6 = new JButton("English Grammar");
28 btnLink_6.setBackground(new Color(153, 204, 153));
29 btnLink_6.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
30 btnLink_6.setBounds(59, 486, 300, 29);
31 btnLink_6.addActionListener(new ActionListener() {
32     @Override
33     public void actionPerformed(ActionEvent e) {
34         try {
35             Desktop.getDesktop().browse(new URI("https://books.google.com.ph/books?id=hptYDwAAQBAJ&printsec=frontcover&q=English+books&hl=en&newbks=1&newbks_redir=1&sa=X"));
36         } catch (Exception ex) {
37             ex.printStackTrace();
38         }
39     }
40 });
41
42 JButton btnLink_5 = new JButton("Purposive Communication");
43 btnLink_5.setBackground(new Color(153, 204, 153));
44 btnLink_5.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
45 btnLink_5.setBounds(59, 451, 300, 29);
46 btnLink_5.addActionListener(new ActionListener() {
47     @Override
48     public void actionPerformed(ActionEvent e) {
49         try {
50             Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=0WSowgEACAAJ&dq=purposive+communication&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwi
51         } catch (Exception ex) {
52             ex.printStackTrace();
53         }
54     }
55 });
56
57 JButton btnLink_4 = new JButton("Communication for Society");
58 btnLink_4.setBackground(new Color(153, 204, 153));
59 btnLink_4.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
60 btnLink_4.setBounds(59, 414, 300, 29);
61 btnLink_4.addActionListener(new ActionListener() {
62     @Override
63     public void actionPerformed(ActionEvent e) {
64         try {
65             Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=W0-5uQEACAAJ&dq=purposive+communication&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwi
66         } catch (Exception ex) {
67             ex.printStackTrace();
68         }
69     }
70 });
71
72 JButton btnLink_3 = new JButton("The Politics Book");
73 btnLink_3.setBackground(new Color(153, 204, 153));
74 btnLink_3.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
75 btnLink_3.setBounds(59, 378, 300, 29);
76 btnLink_3.addActionListener(new ActionListener() {
77     @Override
78     public void actionPerformed(ActionEvent e) {
79         try {
80             Desktop.getDesktop().browse(new URI("https://books.google.com.ph/books?id=VYGRBqAQBAAJ&printsec=frontcover&q=Literature&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwi
81         } catch (Exception ex) {
82             ex.printStackTrace();
83         }
84     }
85 });
86
87 JButton btnLink_2 = new JButton("The Books Trade Handbook");
88 btnLink_2.setBackground(new Color(153, 204, 153));
89 btnLink_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
90 btnLink_2.setBounds(59, 343, 300, 29);
91 btnLink_2.addActionListener(new ActionListener() {
92     @Override
93     public void actionPerformed(ActionEvent e) {
94

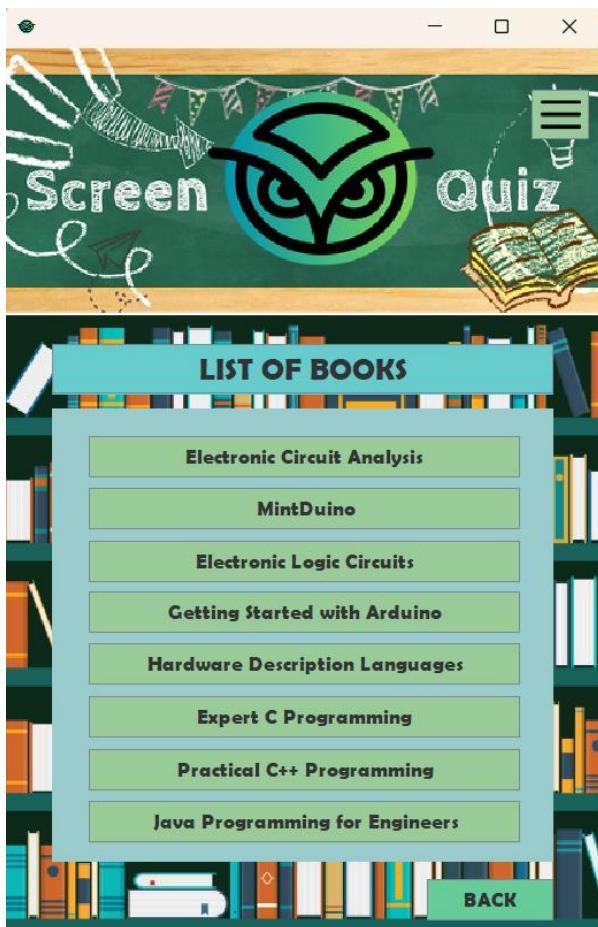
```

```

124         try {
125             Desktop.getDesktop().browse(new URI("https://books.google.com.ph/books?id=igQXAAAIAA74pg=PA365&dq=english+books&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKE
126         ) catch (Exception ex) {
127             ex.printStackTrace();
128         }
129     });
130 
131     JButton btnLink_1 = new JButton("The A.B.C.D");
132     btnLink_1.setBackground(new Color(153, 204, 153));
133     btnLink_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
134     btnLink_1.setBounds(59, 306, 300, 29);
135     btnLink_1.addActionListener(new ActionListener() {
136         @Override
137         public void actionPerformed(ActionEvent e) {
138             try {
139                 Desktop.getDesktop().browse(new URI("https://books.google.com.ph/books?id=qKfkvri-4KgC&printsec=frontcover&dq=english+books&hl=en&newbks=1&newbks_redir=1&sa=X
140             ) catch (Exception ex) {
141                 ex.printStackTrace();
142             }
143         }
144     });
145 
146     // Add the button for the link
147     JButton btnLink = new JButton("Literature in English");
148     btnLink.setBackground(new Color(153, 204, 153));
149     btnLink.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
150     btnLink.setBounds(59, 270, 300, 29);
151     btnLink.addActionListener(new ActionListener() {
152         @Override
153         public void actionPerformed(ActionEvent e) {
154             try {
155                 Desktop.getDesktop().browse(new URI("https://www.google.com.ph/books/edition/Literature_in_English/o3RnDwAAQBAJ?hl=en&gbpv=1&dq=English+Literature+bo
156             ) catch (Exception ex) {
157                 ex.printStackTrace();
158             }
159         }
160     });
161 
162     JButton btnNewButton_2 = new JButton("BACK");
163     btnNewButton_2.addMouseListener(new MouseAdapter() {
164 
165         @Override
166         public void mouseClicked(MouseEvent e) {
167             ScreenQuiz create = new ScreenQuiz();
168             setVisible(false);
169             create.setVisible(true);
170         }
171     });
172     btnNewButton_2.setBackground(new Color(102, 204, 153));
173     btnNewButton_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
174     btnNewButton_2.setBounds(294, 578, 88, 29);
175     contentPane.add(btnNewButton_2);
176     contentPane.add(btnLink);
177 
178     JButton btnNewButton = new JButton("LIST OF BOOKS");
179     btnNewButton.setBackground(new Color(102, 204, 204));
180     btnNewButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 21));
181     btnNewButton.setBounds(32, 206, 349, 35);
182     contentPane.add(btnNewButton);
183     contentPane.add(btnNewButton_1);
184     contentPane.add(btnLink_1);
185     contentPane.add(btnLink_2);
186     contentPane.add(btnLink_3);
187     contentPane.add(btnLink_4);
188     contentPane.add(btnLink_5);
189     contentPane.add(btnLink_6);
190     contentPane.add(btnLink_7);
191 
192     JPanel panel = new JPanel();
193     panel.setBackground(new Color(153, 204, 204));
194     panel.setBounds(33, 251, 349, 315);
195     contentPane.add(panel);
196 
197     JButton btnNewButton_1 = new JButton("https://books.google.com.ph/books?id=rJBG8k8kfv8C&pg=PR14&dq=english+books&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwiupfSD3cf-A
198     btnNewButton_1.addMouseListener(new MouseAdapter() {
199         @Override
200         public void mouseClicked(MouseEvent e) {
201             Terms terms = new Terms();
202             setVisible(false);
203             terms.setVisible(true);
204         }
205     });
206     JButton btnNewButton_1 = new JButton("");

```

```
204     btnNewButton1.addMouseListener(new MouseAdapter() {
205         @Override
206         public void mouseClicked(MouseEvent e) {
207             Terms terms = new Terms();
208             setVisible(false);
209             terms.setVisible(true);
210         }
211     });
212     btnNewButton1.setBackground(new Color(153, 204, 153));
213     btnNewButton1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Untitled (40 x 40 px) (40 x 40 px).png"));
214     btnNewButton1.setBounds(367, 29, 40, 35);
215     contentPane.add(btnNewButton1);
216
217     JLabel lblNewLabel_2 = new JLabel("");
218     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Untitled (193 x 162 px) (4).png"));
219     lblNewLabel_2.setBounds(120, 10, 193, 162);
220     contentPane.add(lblNewLabel_2);
221
222     JLabel lblNewLabel_3 = new JLabel("");
223     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Bg for logo.png"));
224     lblNewLabel_3.setBounds(0, 417, 186);
225     contentPane.add(lblNewLabel_3);
226
227     JLabel lblNewLabel = new JLabel("");
228     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Untitled (417 x 433 px).png"));
229     lblNewLabel.setBounds(0, 185, 417, 432);
230     contentPane.add(lblNewLabel);
231
232 }
233 }
234 }
```



```
1 import javax.swing.*;
2 import java.awt.*;
3 import java.awt.event.*;
4 import java.net.*;
5
6 public class CmpTechBOOK extends JFrame {
7
8     private JPanel contentPane;
9
10    /**
11     * Launch the application.
12     */
13    public static void main(String[] args) {
14        CmpTechBOOK frame = new CmpTechBOOK();
15        frame.setVisible(true);
16    }
17}
18
19 /**
20  * Create the frame.
21  */
22 public CmpTechBOOK() {
23     setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
24     setBounds(100, 100, 431, 654);
25
26     // Set the icon image
27     ImageIcon icon = new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png");
28     setIconImage(icon.getImage());
29
30     contentPane = new JPanel();
31     contentPane.setBackground(new Color(204, 255, 153));
32
33     setContentPane(contentPane);
34     contentPane.setLayout(null);
35
36
37
38
39     //The following command for buttons for the given list of books are the same with other class of subjects
40     //It is linked to the google chrome to display the online book|
41 }
```

```

12 JButton btnLink_7 = new JButton("Java Programming for Engineers");
13 btnLink_7.setBackground(new Color(153, 204, 153));
14 btnLink_7.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
15 btnLink_7.setBounds(59, 524, 300, 29);
16 btnLink_7.addActionListener(new ActionListener() {
17     @Override
18     public void actionPerformed(ActionEvent e) {
19         try {
20             Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=0jnMBQAAQBAJ&printsec=frontcover&dq=Java+Programming&hl=en&newbks=1&newbks_redir=1&sa=X"));
21         } catch (Exception ex) {
22             ex.printStackTrace();
23         }
24     }
25 });
26
27 JButton btnLink_6 = new JButton("Practical C++ Programming");
28 btnLink_6.setBackground(new Color(153, 204, 153));
29 btnLink_6.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
30 btnLink_6.setBounds(59, 488, 300, 29);
31 btnLink_6.addActionListener(new ActionListener() {
32     @Override
33     public void actionPerformed(ActionEvent e) {
34         try {
35             Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=pXDzdU_1E3oC4printsec=frontcover&dq=C%2B%2B&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahU0"));
36         } catch (Exception ex) {
37             ex.printStackTrace();
38         }
39     }
40 });
41
42 JButton btnLink_5 = new JButton("Expert C Programming");
43 btnLink_5.setBackground(new Color(153, 204, 153));
44 btnLink_5.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
45 btnLink_5.setBounds(59, 451, 300, 29);
46 btnLink_5.addActionListener(new ActionListener() {
47     @Override
48     public void actionPerformed(ActionEvent e) {
49         try {
50             Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=4vm2xK3yn34C&dq=c+programming&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKDwiK34zv40f-A"));
51         } catch (Exception ex) {
52             ex.printStackTrace();
53         }
54     }
55 });
56
57 JButton btnLink_4 = new JButton("Hardware Description Languages");
58 btnLink_4.setBackground(new Color(153, 204, 153));
59 btnLink_4.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
60 btnLink_4.setBounds(59, 414, 300, 29);
61 btnLink_4.addActionListener(new ActionListener() {
62     @Override
63     public void actionPerformed(ActionEvent e) {
64         try {
65             Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=D6keAQAAIAAJ&q=Hardware+Description+Language&dq=Hardware+Description+Language&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahU0"));
66         } catch (Exception ex) {
67             ex.printStackTrace();
68         }
69     }
70 });
71
72 JButton btnLink_3 = new JButton("Getting Started with Arduino");
73 btnLink_3.setBackground(new Color(153, 204, 153));
74 btnLink_3.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
75 btnLink_3.setBounds(59, 378, 300, 29);
76 btnLink_3.addActionListener(new ActionListener() {
77     @Override
78     public void actionPerformed(ActionEvent e) {
79         try {
80             Desktop.getDesktop().browse(new URI("https://books.google.com.ph/books?id=lkOlPzsObjEC&printsec=frontcover&dq=arduino&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahU0"));
81         } catch (Exception ex) {
82             ex.printStackTrace();
83         }
84     }
85 });
86
87 JButton btnLink_2 = new JButton("Electronic Logic Circuits");
88 btnLink_2.setBackground(new Color(153, 204, 153));
89 btnLink_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
90 btnLink_2.setBounds(59, 343, 300, 29);
91 btnLink_2.addActionListener(new ActionListener() {
92     @Override
93     public void actionPerformed(ActionEvent e) {
94

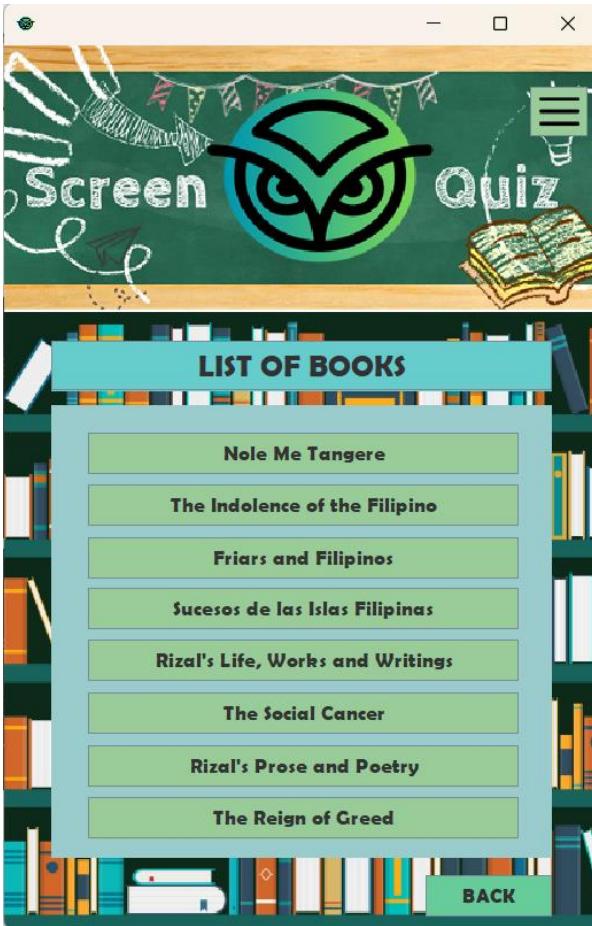
```

```

123     public void actionPerformed(ActionEvent e) {
124         try {
125             Desktop.getDesktop().browse(new URI("https://books.google.com.ph/books?id=RHY_b4OnuDG&printsec=frontcover&q=logis+circuits&hl=en&newbks=1&newbks_redir=1&sa="));
126         } catch (Exception ex) {
127             ex.printStackTrace();
128         }
129     });
130 }
131
132 JButton btnLink_1 = new JButton("MintDuino");
133 btnLink_1.setBackground(new Color(153, 204, 153));
134 btnLink_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
135 btnLink_1.setBounds(59, 306, 300, 29);
136 btnLink_1.addActionListener(new ActionListener() {
137     @Override
138     public void actionPerformed(ActionEvent e) {
139         try {
140             Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=zgCpqJIFdCEC&printsec=frontcover&q=breadboardings&hl=en&newbks=1&newbks_redir=1&sa=X&ved="));
141         } catch (Exception ex) {
142             ex.printStackTrace();
143         }
144     }
145 });
146
147 // Add the button for the link
148 JButton btnLink = new JButton("Electronic Circuit Analysis");
149 btnLink.setBackground(new Color(153, 204, 153));
150 btnLink.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
151 btnLink.setBounds(59, 270, 300, 29);
152 btnLink.addActionListener(new ActionListener() {
153     @Override
154     public void actionPerformed(ActionEvent e) {
155         try {
156             Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=yooVw9u8GMwC&printsec=frontcover&q=electronics+circuit&hl=en&newbks=1&newbks_redir=1&sa=X&ved="));
157         } catch (Exception ex) {
158             ex.printStackTrace();
159         }
160     }
161 });
162
163 JButton btnNewButton_2 = new JButton("BACK");
164
165 btnNewButton_2.addMouseListener(new MouseAdapter() {
166     @Override
167     public void mouseClicked(MouseEvent e) {
168         ScreenQuiz create = new ScreenQuiz();
169         setVisible(false);
170         create.setVisible(true);
171     }
172 });
173 btnNewButton_2.setBackground(new Color(102, 204, 153));
174 btnNewButton_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
175 btnNewButton_2.setBounds(294, 578, 88, 29);
176 contentPane.add(btnNewButton_2);
177 contentPane.add(btnLink);
178
179 JButton btnNewButton = new JButton("LIST OF BOOKS");
180 btnNewButton.setBackground(new Color(102, 204, 204));
181 btnNewButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 21));
182 btnNewButton.setBounds(13, 206, 349, 35);
183 contentPane.add(btnNewButton);
184 contentPane.add(btnLink_1);
185 contentPane.add(btnLink_2);
186 contentPane.add(btnLink_3);
187 contentPane.add(btnLink_4);
188 contentPane.add(btnLink_5);
189 contentPane.add(btnLink_6);
190 contentPane.add(btnLink_7);
191
192 JPanel panel = new JPanel();
193 panel.setBackground(new Color(153, 204, 204));
194 panel.setBounds(33, 251, 349, 315);
195 contentPane.add(panel);
196
197 JButton btnNewButton_1 = new JButton("https://books.google.com.ph/books?id=rJBG8k8kfV8C&pg=PR14&q=english+books&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwiupfSD3cf-A");
198 btnNewButton_1.addMouseListener(new MouseAdapter() {
199     @Override
200     public void mouseClicked(MouseEvent e) {
201         Terms terms = new Terms();
202         setVisible(false);
203         terms.setVisible(true);
204     }
205 });

```

```
205 JButton btnNewButton1 = new JButton("");
206 //btnNewButton1.addActionListener(new MouseAdapter() {
207 //    @Override
208 //    public void mouseClicked(MouseEvent e) {
209 //        Terms terms = new Terms();
210 //        setVisible(false);
211 //        terms.setVisible(true);
212 //    }
213 //});
214 btnNewButton1.setBackground(new Color(153, 204, 153));
215 btnNewButton1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40 px).png"));
216 btnNewButton1.setBounds(367, 29, 40, 35);
217 contentPane.add(btnNewButton1);
218
219 JLabel lblNewLabel_2 = new JLabel("");
220 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
221 lblNewLabel_2.setBounds(120, 10, 193, 162);
222 contentPane.add(lblNewLabel_2);
223
224 JLabel lblNewLabel_3 = new JLabel("");
225 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
226 lblNewLabel_3.setBounds(0, 0, 417, 186);
227 contentPane.add(lblNewLabel_3);
228
229 JLabel lblNewLabel = new JLabel("");
230 lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 433 px).png"));
231 lblNewLabel.setBounds(0, 185, 417, 432);
232 contentPane.add(lblNewLabel);
233
234 }
```



```

1 import javax.swing.*;
2 import java.awt.*;
3 import java.awt.event.*;
4 import java.net.*;
5
6 public class FILBOOK extends JFrame {
7
8     private JPanel contentPane;
9
10    /**
11     * Launch the application.
12     */
13    public static void main(String[] args) {
14        FILBOOK frame = new FILBOOK();
15        frame.setVisible(true);
16    }
17}
18
19 /**
20  * Create the frame.
21  */
22 public FILBOOK() {
23     setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
24     setBounds(100, 100, 431, 654);
25
26     // Set the icon image
27     ImageIcon icon = new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 * 162 px) (4).png");
28     setIconImage(icon.getImage());
29
30     contentPane = new JPanel();
31     contentPane.setBackground(new Color(204, 255, 153));
32
33     setContentPane(contentPane);
34     contentPane.setLayout(null);
35
36
37
38 //The following command for buttons for the given list of books are the same with other class of subjects
39 //It is linked to the google chrome to display the online books
40
41     JButton btnLink_7 = new JButton("The Reign of Greed");

```

```

42     btnLink_7.setBackground(new Color(153, 204, 153));
43     btnLink_7.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
44     btnLink_7.setBounds(59, 224, 300, 29);
45     btnLink_7.addActionListener(new ActionListener() {
46         @Override
47         public void actionPerformed(ActionEvent e) {
48             try {
49                 Desktop.getDesktop().browse(new URI("https://books.google.com.ph/books?id=1PxWAAAAAAJ&printsec=frontcover&q=Work+of+Rizal&hl=en&newbks=1&newbks_redir=1&sa=X"));
50             } catch (Exception ex) {
51                 ex.printStackTrace();
52             }
53         }
54     });
55
56     JButton btnLink_6 = new JButton("Rizal's Prose and Poetry");
57     btnLink_6.setBackground(new Color(153, 204, 153));
58     btnLink_6.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
59     btnLink_6.setBounds(59, 488, 300, 29);
60     btnLink_6.addActionListener(new ActionListener() {
61         @Override
62         public void actionPerformed(ActionEvent e) {
63             try {
64                 Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=lpdfMAAAAQJ&q=Work+of+Rizal&hl=en&newbks=1&newbks_redir=1&printsec=fr"));
65             } catch (Exception ex) {
66                 ex.printStackTrace();
67             }
68         }
69     });
70
71     JButton btnLink_5 = new JButton("The Social Cancer");
72     btnLink_5.setBackground(new Color(153, 204, 153));
73     btnLink_5.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
74     btnLink_5.setBounds(59, 451, 300, 29);
75     btnLink_5.addActionListener(new ActionListener() {
76         @Override
77         public void actionPerformed(ActionEvent e) {
78             try {
79                 Desktop.getDesktop().browse(new URI("https://books.google.com.ph/books?id=wuMsAAAAAAJ&printsec=frontcover&q=Work+of+Rizal&hl=en&newbks=1&newbks_redir=1&sa=X"));
80             } catch (Exception ex) {
81                 ex.printStackTrace();
82             }
83         }
84     });
85
86     JButton btnLink_4 = new JButton("Rizal's Life, Works and Writings");
87     btnLink_4.setBackground(new Color(153, 204, 153));
88     btnLink_4.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
89     btnLink_4.setBounds(59, 414, 300, 29);
90     btnLink_4.addActionListener(new ActionListener() {
91         @Override
92         public void actionPerformed(ActionEvent e) {
93             try {
94                 Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=NefNZZ9ughYC&printsec=frontcover&q=Work+of+Rizal&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKewjm2f6n5c"));
95             } catch (Exception ex) {
96                 ex.printStackTrace();
97             }
98         }
99     });
100
101    JButton btnLink_3 = new JButton("Sucesos de las Islas Filipinas");
102    btnLink_3.setBackground(new Color(153, 204, 153));
103    btnLink_3.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
104    btnLink_3.setBounds(59, 378, 300, 29);
105    btnLink_3.addActionListener(new ActionListener() {
106        @Override
107        public void actionPerformed(ActionEvent e) {
108            try {
109                Desktop.getDesktop().browse(new URI("https://books.google.com.ph/books?id=yM_CwQEACAAJ&dq=Work+of+Rizal&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKewjm2f6n5c"));
110            } catch (Exception ex) {
111                ex.printStackTrace();
112            }
113        }
114    });
115
116    JButton btnLink_2 = new JButton("Friars and Filipinos");
117    btnLink_2.setBackground(new Color(153, 204, 153));
118    btnLink_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
119    btnLink_2.setBounds(59, 343, 300, 29);
120    btnLink_2.addActionListener(new ActionListener() {
121        @Override
122        public void actionPerformed(ActionEvent e) {
123            try {

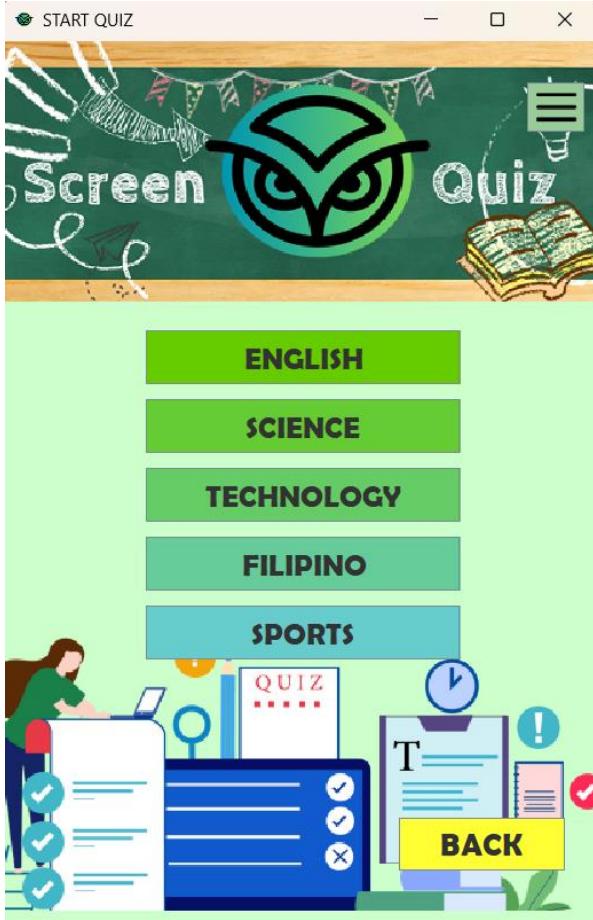
```

```

124         Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=CBQszwECAAJ&dq=Work+of+Rizal&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwjmf6n5cf-A"));
125     } catch (Exception ex) {
126         ex.printStackTrace();
127     }
128 }
129 }
130 JButton btnLink_1 = new JButton("The Indolence of the Filipino");
131 btnLink_1.setBackground(new Color(153, 204, 153));
132 btnLink_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
133 btnLink_1.setBounds(59, 306, 300, 29);
134 btnLink_1.addActionListener(new ActionListener() {
135     @Override
136     public void actionPerformed(ActionEvent e) {
137         try {
138             Desktop.getDesktop().browse(new URI("https://books.google.com.ph/books?id=JJeKEAAAQBAJ&printsec=frontcover&dq=Work+of+Rizal&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwjmf6n5cf-A"));
139         } catch (Exception ex) {
140             ex.printStackTrace();
141         }
142     }
143 });
144
145 // Add the button for the link
146 JButton btnLink = new JButton("Noli Me Tangere");
147 btnLink.setBackground(new Color(153, 204, 153));
148 btnLink.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
149 btnLink.setBounds(59, 270, 300, 29);
150 btnLink.addActionListener(new ActionListener() {
151     @Override
152     public void actionPerformed(ActionEvent e) {
153         try {
154             Desktop.getDesktop().browse(new URI("https://books.google.com/books?id=7Hbiu3909pEC&printsec=frontcover&dq=noli+me+tangere&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwjmf6n5cf-A"));
155         } catch (Exception ex) {
156             ex.printStackTrace();
157         }
158     }
159 });
160
161 JButton btnNewButton_2 = new JButton("BACK");
162 btnNewButton_2.addMouseListener(new MouseAdapter() {
163     @Override
164     public void mouseClicked(MouseEvent e) {
165         ScreenQuiz create = new ScreenQuiz();
166         setVisible(false);
167         create.setVisible(true);
168     }
169 });
170 btnNewButton_2.setBackground(new Color(102, 204, 153));
171 btnNewButton_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
172 btnNewButton_2.setBounds(254, 578, 88, 29);
173 contentPane.add(btnNewButton_2);
174 contentPane.add(btnLink);
175
176 JButton btnNewButton = new JButton("LIST OF BOOKS");
177 btnNewButton.setBackground(new Color(102, 204, 204));
178 btnNewButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 21));
179 btnNewButton.setBounds(21, 206, 349, 35);
180 contentPane.add(btnNewButton);
181 contentPane.add(btnLink_1);
182 contentPane.add(btnLink_2);
183 contentPane.add(btnLink_3);
184 contentPane.add(btnLink_4);
185 contentPane.add(btnLink_5);
186 contentPane.add(btnLink_6);
187 contentPane.add(btnLink_7);
188 contentPane.add(btnLink_8);
189
190 JPanel panel = new JPanel();
191 panel.setBackground(new Color(153, 204, 204));
192 panel.setBounds(33, 251, 349, 315);
193 contentPane.add(panel);
194
195 JButton btnNewButton_1 = new JButton("https://books.google.com.ph/books?id=rJBG8k8kfV8C&pg=PR14&dq=english+books&hl=en&newbks=1&newbks_redir=1&sa=X&ved=2ahUKEwiupfSD3cf-A");
196 btnNewButton_1.addMouseListener(new MouseAdapter() {
197     @Override
198     public void mouseClicked(MouseEvent e) {
199         Terms terms = new Terms();
200         setVisible(false);
201         terms.setVisible(true);
202     }
203 });
204 JButton btnNewButton_1_1 = new JButton("");
205 btnNewButton_1_1.addMouseListener(new MouseAdapter() {

```

```
206     @Override
207     public void mouseClicked(MouseEvent e) {
208         term_terms = new Terms();
209         setVisible(false);
210         terms.setVisible(true);
211     }
212 }
213 btnNewButton1.setBackground(new Color(153, 204, 153));
214 btnNewButton1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40 px).png"));
215 btnNewButton1.setBounds(367, 29, 40, 35);
216 contentPane.add(btnNewButton1);
217
218 JLabel lblNewLabel_2 = new JLabel("");
219 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
220 lblNewLabel_2.setBounds(120, 10, 193, 162);
221 contentPane.add(lblNewLabel_2);
222
223 JLabel lblNewLabel_3 = new JLabel("");
224 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
225 lblNewLabel_3.setBounds(0, 0, 417, 186);
226 contentPane.add(lblNewLabel_3);
227
228 JLabel lblNewLabel = new JLabel("");
229 lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 433 px).png"));
230 lblNewLabel.setBounds(0, 185, 417, 432);
231 contentPane.add(lblNewLabel);
232 }
233 }
234 }
```



```

1 import javax.swing.*;
2 import java.awt.*;
3 import java.awt.event.*;
4
5 public class StartButton extends JFrame {
6
7     private JPanel contentPane;
8
9     /**
10      * Launch the application.
11      */
12    public static void main(String[] args) {
13        StartButton frame = new StartButton();
14        frame.setVisible(true);
15    }
16
17    /**
18     * Create the frame.
19     */
20    public StartButton() {
21        setTitle("START QUIZ");
22        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
23        setBounds(100, 100, 431, 654);
24
25        // Set the icon image
26        ImageIcon icon = new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCPE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png");
27        setIconImage(icon.getImage());
28
29        contentPane = new JPanel();
30
31        setContentPane(contentPane);
32        contentPane.setLayout(null);
33
34        JButton btnNewButton_1 = new JButton("");
35        btnNewButton_1.addMouseListener(new MouseAdapter() {
36            @Override
37            public void mouseClicked(MouseEvent e) {
38                terms terms = new Terms();
39                terms.setVisible(false);
40                terms.setVisible(true);
41            }
42        });

```

```

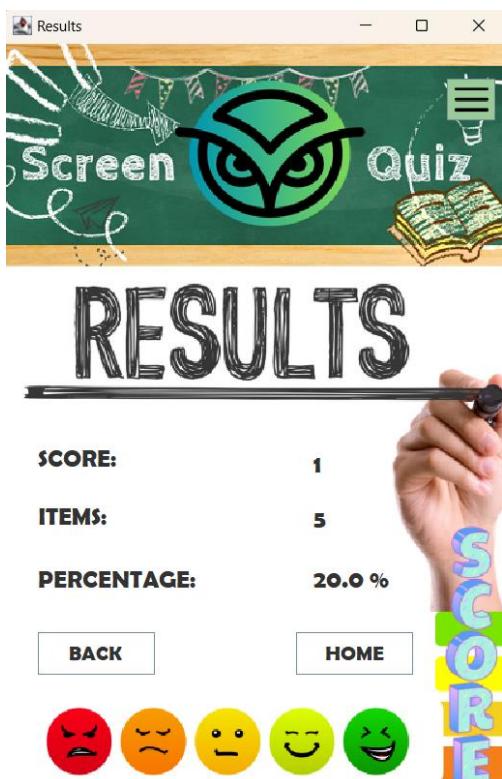
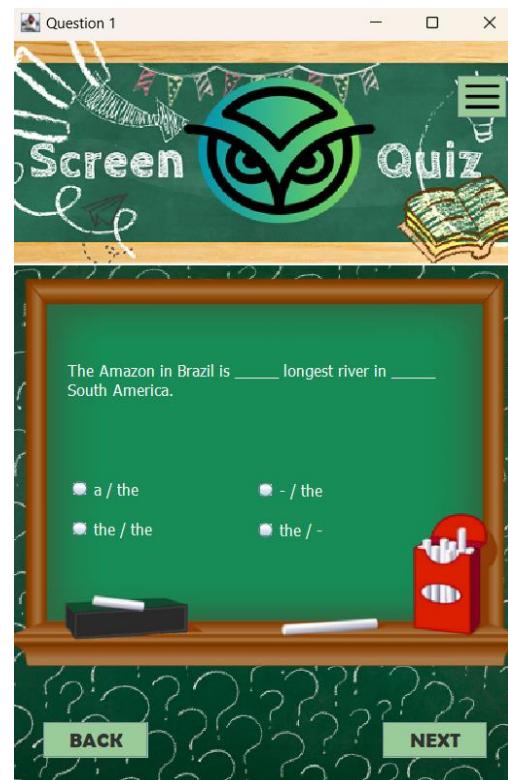
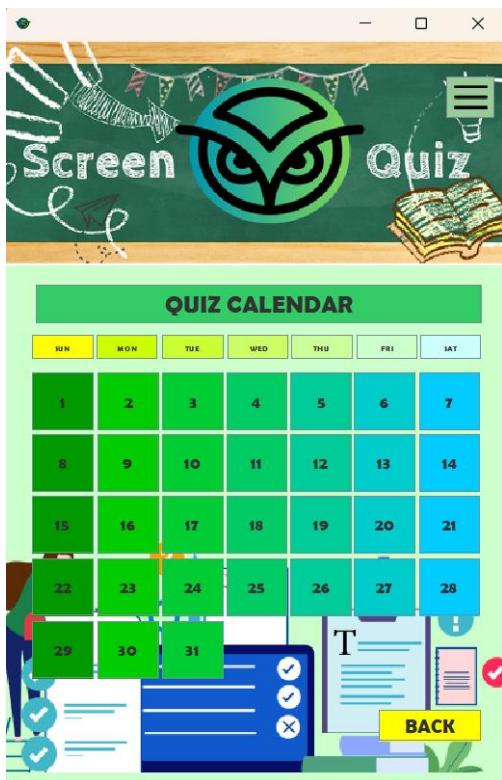
42         });
43     });
44
45     JPanel panel = new JPanel();
46     panel.setBackground(new Color(204, 255, 204));
47     panel.setBounds(0, 102, 417, 435);
48     contentPane.add(panel);
49     panel.setLayout(null);
50
51     //This is a back button to back in the main menu
52     JButton btnBack = new JButton("BACK");
53     btnBack.addMouseListener(new MouseAdapter() {
54
55         @Override
56         public void mouseClicked(MouseEvent e) {
57             ScreenQuiz create = new ScreenQuiz();
58             setVisible(false);
59             create.setVisible(true);
60         }
61     });
62     btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 22));
63     btnBack.setBackground(new Color(255, 255, 51));
64     btnBack.setBounds(277, 360, 116, 37);
65     panel.add(btnBack);
66
67     //Button to call in EnglishCAL class
68     JButton btnNewButton = new JButton("ENGLISH");
69     btnNewButton.addMouseListener(new MouseAdapter() {
70
71         @Override
72         public void mouseClicked(MouseEvent e) {
73             EnglishCAL create = new EnglishCAL();
74             setVisible(false);
75             create.setVisible(true);
76         }
77     });
78     btnNewButton.setBackground(new Color(102, 204, 0));
79     btnNewButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 21));
80     btnNewButton.setBounds(100, 20, 220, 38);
81     panel.add(btnNewButton);
82
83     //This is the background image for this frame
84     JLabel lblNewLabel = new JLabel("");
85
86
87     lblNewLabel.setBounds(-15, 0, 432, 425);
88     panel.add(lblNewLabel);
89     lblNewLabel.setBackground(new Color(204, 255, 204));
90     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScPE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUS\\Untitled (397 x 413 px) (255 x 255).png"));
91
92     //A button to call the ScienceCAL class
93     JButton btnScience = new JButton("SCIENCE");
94     btnScience.addMouseListener(new MouseAdapter() {
95
96         @Override
97         public void mouseClicked(MouseEvent e) {
98             ScienceCAL create = new ScienceCAL();
99             setVisible(false);
100            create.setVisible(true);
101        }
102    });
103    btnScience.setBackground(new Color(102, 204, 51));
104    btnScience.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 21));
105    btnScience.setBounds(100, 68, 220, 38);
106    panel.add(btnScience);
107
108    //A button to call the TechCAL class
109    JButton btnTechnology = new JButton("TECHNOLOGY");
110    btnTechnology.addMouseListener(new MouseAdapter() {
111
112        @Override
113        public void mouseClicked(MouseEvent e) {
114            TechCAL create = new TechCAL();
115            setVisible(false);
116            create.setVisible(true);
117        }
118    });
119    btnTechnology.setBackground(new Color(102, 204, 102));
120    btnTechnology.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 21));
121    btnTechnology.setBounds(100, 116, 220, 38);
122    panel.add(btnTechnology);
123
124    //A button to call the FilCAL class
125    JButton btnFilipino = new JButton("FILIPINO");
126    btnFilipino.addMouseListener(new MouseAdapter() {
127
128        @Override
129        public void mouseClicked(MouseEvent e) {
130            FilCAL create = new FilCAL();
131        }
132    });

```

```

124         setVisible(false);
125         create.setVisible(true);
126     }
127 }
128 btnFilipino.setBackground(new Color(102, 204, 153));
129 btnFilipino.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 21));
130 btnFilipino.setBounds(100, 164, 220, 38);
131 panel.add(btnFilipino);
132
133 //A button to call the CounCAL class
134 JButton btnCountry = new JButton("SPORTS");
135 btnCountry.addMouseListener(new MouseAdapter() {
136     @Override
137     public void mouseClicked(MouseEvent e) {
138         CounCAL create = new CounCAL();
139         create.setVisible(false);
140         create.setVisible(true);
141     }
142 });
143 btnCountry.setBackground(new Color(102, 204, 201));
144 btnCountry.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 21));
145 btnCountry.setBounds(100, 212, 220, 38);
146 panel.add(btnCountry);
147 btnNewButton_1.setBackground(new Color(153, 204, 153));
148 //Another image/icon/button for terms and condition of the application]
149 btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CFE18L Software Design Lab\\CORPUZ\\Untitled (40 * 40 px) (40 * 40 px).png"));
150 btnNewButton_1.setBounds(367, 29, 40, 35);
151 contentPane.add(btnNewButton_1);
152
153 JLabel lblNewLabel_2 = new JLabel("");
154 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CFE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
155 lblNewLabel_2.setBounds(120, 10, 193, 162);
156 contentPane.add(lblNewLabel_2);
157
158 JLabel lblNewLabel_3 = new JLabel("");
159 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CFE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
160 lblNewLabel_3.setBounds(0, 0, 117, 186);
161 contentPane.add(lblNewLabel_3);
162
163 JLabel lblNewLabel_1 = new JLabel("New label");
164 lblNewLabel_1.setBounds(0, 0, 432, 654);
165
166 contentPane.add(lblNewLabel_1);
167 lblNewLabel_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CFE18L Software Design Lab\\CORPUZ\\background.png"));
168 }
169

```



```

1● import javax.swing.*;
2● import java.awt.*;
3● import java.awt.event.*;
4
5 public class EnglishCAL extends JFrame {
6
7     private int correctAnswers = 0;
8     private JPanel contentPane;
9
10● /**
11     * Launch the application.
12     */
13● public static void main(String[] args) {
14     EnglishCAL frame = new EnglishCAL();
15     frame.setVisible(true);
16 }
17
18● /**
19     * Create the frame.
20     */
21● public EnglishCAL() {
22     setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
23     setBounds(100, 100, 431, 654);
24
25     // Set the icon image
26     ImageIcon icon = new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUE\\Untitled (193 x 162 px) (4).png");
27     setIconImage(icon.getImage());
28
29     contentPane = new JPanel();
30
31     setContentPane(contentPane);
32
33     JButton btnNewButton_1 = new JButton("");
34● btnNewButton_1.addMouseListener(new MouseAdapter() {
35●     @Override
36         public void mouseClicked(MouseEvent e) {
37             Terms terms = new Terms();
38             setVisible(false);
39             terms.setVisible(true);
40         }
41     });
42
43     contentPane.setLayout(null);
44
45     //The following button btnNewButton are the numbers within the calendar with 31 days
46     JButton btnNewButton = new JButton("1");
47● btnNewButton.addMouseListener(new MouseAdapter() {
48●     @Override
49         //Each number button has the same function that id the user click it it will display the following questions and choices in the day
50         public void mouseClicked(MouseEvent e) {
51             SQL();
52             setVisible(false);
53         }
54     });
55     btnNewButton.setBackground(new Color(0, 153, 0));
56     btnNewButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
57     btnNewButton.setBounds(23, 275, 51, 48);
58     contentPane.add(btnNewButton);
59
60     JPanel panel_1 = new JPanel();
61     panel_1.setBackground(new Color(204, 255, 204));
62     panel_1.setBounds(169, 29, 1, 1);
63     contentPane.add(panel_1);
64     panel_1.setLayout(null);
65
66     JTextArea textArea_1_2 = new JTextArea();
67     textArea_1_2.setBounds(241, 204, 128, 22);
68     panel_1.add(textArea_1_2);
69
70     //This is the image icon for terms and condition
71     JTextArea textArea_1_3 = new JTextArea();
72     textArea_1_3.setBounds(241, 236, 128, 22);
73     panel_1.add(textArea_1_3);
74     btnNewButton_1.setBackground(new Color(153, 204, 153));
75     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUE\\Untitled (40 x 40 px) (40 x 40 px) (4).png"));
76     btnNewButton_1.setBounds(367, 29, 40, 35);
77     contentPane.add(btnNewButton_1);
78
79     //This is for background image
80     JLabel lblNewLabel_2 = new JLabel("");
81     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUE\\Untitled (193 x 162 px) (4).png"));
82     lblNewLabel_2.setBounds(120, 10, 193, 162);
83     contentPane.add(lblNewLabel_2);

```

```

83     //This is for the logo located at the center of the header background
84     JLabel lblNewLabel_3 = new JLabel("");
85     lblNewLabel_3.setIcon(new ImageIcon("D:\\CFE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUS\\Bg for logo.png"));
86     contentPane.add(lblNewLabel_3);
87
88     JButton btnNewButton_2 = new JButton("2");
89     btnNewButton_2.addMouseListener(new MouseAdapter() {
90         @Override
91         public void mouseClicked(MouseEvent e) {
92             D2Q1();
93             setVisible(false);
94         }
95     });
96     btnNewButton_2.setBackground(new Color(0, 204, 0));
97     btnNewButton_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
98     btnNewButton_2.setBounds(77, 275, 51, 48);
99     contentPane.add(btnNewButton_2);
100
101    JButton btnNewButton_3 = new JButton("3");
102    btnNewButton_3.addMouseListener(new MouseAdapter() {
103        @Override
104        public void mouseClicked(MouseEvent e) {
105            D3Q1();
106            setVisible(false);
107        }
108    });
109    btnNewButton_3.setBackground(new Color(0, 204, 51));
110    btnNewButton_3.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
111    btnNewButton_3.setBounds(131, 275, 51, 48);
112    contentPane.add(btnNewButton_3);
113
114    JButton btnNewButton_4 = new JButton("4");
115    btnNewButton_4.addMouseListener(new MouseAdapter() {
116        @Override
117        public void mouseClicked(MouseEvent e) {
118            D4Q1();
119            setVisible(false);
120        }
121    });
122
123 });
124
125    JButton btnNewButton_4 = new JButton("4");
126    btnNewButton_4.addMouseListener(new MouseAdapter() {
127        @Override
128        public void mouseClicked(MouseEvent e) {
129            D4Q1();
130            setVisible(false);
131        }
132    });
133
134    JButton btnNewButton_5 = new JButton("5");
135    btnNewButton_5.addMouseListener(new MouseAdapter() {
136        @Override
137        public void mouseClicked(MouseEvent e) {
138            D5Q1();
139            setVisible(false);
140        }
141    });
142
143    JButton btnNewButton_6 = new JButton("6");
144    btnNewButton_6.addMouseListener(new MouseAdapter() {
145        @Override
146        public void mouseClicked(MouseEvent e) {
147            D6Q1();
148            setVisible(false);
149        }
150    });
151    btnNewButton_6.setBackground(new Color(0, 204, 204));
152    btnNewButton_6.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
153    btnNewButton_6.setBounds(230, 275, 51, 48);
154    contentPane.add(btnNewButton_6);
155
156    JButton btnNewButton_7 = new JButton("7");
157    btnNewButton_7.addMouseListener(new MouseAdapter() {
158        @Override
159        public void mouseClicked(MouseEvent e) {
160            D7Q1();
161            setVisible(false);
162        }
163    });
164    btnNewButton_7.setBackground(new Color(0, 204, 255));
165    btnNewButton_7.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));

```

```
165     btnNewButton_7.setBounds(344, 275, 51, 48);
166     contentPane.add(btnNewButton_7);
167
168     JButton btnNewButton_8 = new JButton("14");
169     btnNewButton_8.addMouseListener(new MouseAdapter() {
170         @Override
171         public void mouseClicked(MouseEvent e) {
172             D14Q1();
173             setVisible(false);
174         }
175     });
176     btnNewButton_8.setBackground(new Color(0, 204, 255));
177     btnNewButton_8.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
178     btnNewButton_8.setBounds(344, 326, 51, 48);
179     contentPane.add(btnNewButton_8);
180
181     JButton btnNewButton_8_1 = new JButton("13");
182     btnNewButton_8_1.addMouseListener(new MouseAdapter() {
183         @Override
184         public void mouseClicked(MouseEvent e) {
185             D13Q1();
186             setVisible(false);
187         }
188     });
189     btnNewButton_8_1.setBackground(new Color(0, 204, 204));
190     btnNewButton_8_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
191     btnNewButton_8_1.setBounds(290, 326, 51, 48);
192     contentPane.add(btnNewButton_8_1);
193
194     JButton btnNewButton_8_2 = new JButton("12");
195     btnNewButton_8_2.addMouseListener(new MouseAdapter() {
196         @Override
197         public void mouseClicked(MouseEvent e) {
198             D12Q1();
199             setVisible(false);
200         }
201     });
202     btnNewButton_8_2.setBackground(new Color(0, 204, 153));
203     btnNewButton_8_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
204     btnNewButton_8_2.setBounds(237, 326, 51, 48);
205     contentPane.add(btnNewButton_8_2);
```

```
206
207     JButton btnNewButton_8_3 = new JButton("11");
208     btnNewButton_8_3.addMouseListener(new MouseAdapter() {
209         @Override
210         public void mouseClicked(MouseEvent e) {
211             D11Q1();
212             setVisible(false);
213         }
214     });
215     btnNewButton_8_3.setBackground(new Color(0, 204, 102));
216     btnNewButton_8_3.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
217     btnNewButton_8_3.setBounds(184, 326, 51, 48);
218     contentPane.add(btnNewButton_8_3);
219
220     JButton btnNewButton_8_4 = new JButton("10");
221     btnNewButton_8_4.addMouseListener(new MouseAdapter() {
222         @Override
223         public void mouseClicked(MouseEvent e) {
224             D10Q1();
225             setVisible(false);
226         }
227     });
228     btnNewButton_8_4.setBackground(new Color(0, 204, 51));
229     btnNewButton_8_4.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
230     btnNewButton_8_4.setBounds(131, 326, 51, 48);
231     contentPane.add(btnNewButton_8_4);
232
233     JButton btnNewButton_8_5 = new JButton("9");
234     btnNewButton_8_5.addMouseListener(new MouseAdapter() {
235         @Override
236         public void mouseClicked(MouseEvent e) {
237             D9Q1();
238             setVisible(false);
239         }
240     });
241     btnNewButton_8_5.setBackground(new Color(0, 204, 0));
242     btnNewButton_8_5.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
243     btnNewButton_8_5.setBounds(77, 326, 51, 48);
244     contentPane.add(btnNewButton_8_5);
245
246     JButton btnNewButton_8_6 = new JButton("8");
```

```

247● btnNewButton_8_6.addMouseListener(new MouseAdapter() {
248●     @Override
249●     public void mouseClicked(MouseEvent e) {
250●         D8Q1();
251●         setVisible(false);
252●     }
253● );
254● btnNewButton_8_6.setBackground(new Color(0, 153, 0));
255● btnNewButton_8_6.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
256● btnNewButton_8_6.setBounds(23, 326, 51, 48);
257● contentPane.add(btnNewButton_8_6);
258●
259● JButton btnNewButton_8_7 = new JButton("21");
260● btnNewButton_8_7.addMouseListener(new MouseAdapter() {
261●     @Override
262●     public void mouseClicked(MouseEvent e) {
263●         D2Q1();
264●         setVisible(false);
265●     }
266● );
267● btnNewButton_8_7.setBackground(new Color(0, 204, 255));
268● btnNewButton_8_7.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
269● btnNewButton_8_7.setBounds(344, 377, 51, 48);
270● contentPane.add(btnNewButton_8_7);
271●
272● JButton btnNewButton_8_7_1 = new JButton("20");
273● btnNewButton_8_7_1.addMouseListener(new MouseAdapter() {
274●     @Override
275●     public void mouseClicked(MouseEvent e) {
276●         D2Q01();
277●         setVisible(false);
278●     }
279● );
280● btnNewButton_8_7_1.setBackground(new Color(0, 204, 204));
281● btnNewButton_8_7_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
282● btnNewButton_8_7_1.setBounds(290, 377, 51, 48);
283● contentPane.add(btnNewButton_8_7_1);
284●
285● JButton btnNewButton_8_7_2 = new JButton("19");
286● btnNewButton_8_7_2.addMouseListener(new MouseAdapter() {
287●     @Override
288●     public void mouseClicked(MouseEvent e) {
289●         D1Q1();
290●         setVisible(false);
291●     }
292● );
293● btnNewButton_8_7_2.setBackground(new Color(0, 204, 153));
294● btnNewButton_8_7_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
295● btnNewButton_8_7_2.setBounds(237, 377, 51, 48);
296● contentPane.add(btnNewButton_8_7_2);
297●
298● JButton btnNewButton_8_7_3 = new JButton("18");
299● btnNewButton_8_7_3.addMouseListener(new MouseAdapter() {
300●     @Override
301●     public void mouseClicked(MouseEvent e) {
302●         D1Q01();
303●         setVisible(false);
304●     }
305● );
306● btnNewButton_8_7_3.setBackground(new Color(0, 204, 102));
307● btnNewButton_8_7_3.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
308● btnNewButton_8_7_3.setBounds(184, 377, 51, 48);
309● contentPane.add(btnNewButton_8_7_3);
310●
311● JButton btnNewButton_8_7_4 = new JButton("17");
312● btnNewButton_8_7_4.addMouseListener(new MouseAdapter() {
313●     @Override
314●     public void mouseClicked(MouseEvent e) {
315●         D1Q1();
316●         setVisible(false);
317●     }
318● );
319● btnNewButton_8_7_4.setBackground(new Color(0, 204, 51));
320● btnNewButton_8_7_4.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
321● btnNewButton_8_7_4.setBounds(131, 377, 51, 48);
322● contentPane.add(btnNewButton_8_7_4);
323●
324● JButton btnNewButton_8_7_5 = new JButton("16");
325● btnNewButton_8_7_5.addMouseListener(new MouseAdapter() {
326●     @Override
327●     public void mouseClicked(MouseEvent e) {
328●         D1Q01();

```

```

329         setVisible(false);
330     });
331     btnNewButton_8_7_5.setBackground(new Color(0, 204, 0));
332     btnNewButton_8_7_5.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
333     btnNewButton_8_7_5.setBounds(77, 377, 51, 48);
334     contentPane.add(btnNewButton_8_7_5);
335
336
337     JButton btnNewButton_8_7_6 = new JButton("15");
338     btnNewButton_8_7_6.addMouseListener(new MouseAdapter() {
339         @Override
340         public void mouseClicked(MouseEvent e) {
341             D15Q1();
342             setVisible(false);
343         }
344     });
345     btnNewButton_8_7_6.setBackground(new Color(0, 153, 0));
346     btnNewButton_8_7_6.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
347     btnNewButton_8_7_6.setBounds(23, 377, 51, 48);
348     contentPane.add(btnNewButton_8_7_6);
349
350     JButton btnNewButton_8_7_7 = new JButton("28");
351     btnNewButton_8_7_7.addMouseListener(new MouseAdapter() {
352         @Override
353         public void mouseClicked(MouseEvent e) {
354             D28Q1();
355             setVisible(false);
356         }
357     });
358     btnNewButton_8_7_7.setBackground(new Color(0, 204, 255));
359     btnNewButton_8_7_7.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
360     btnNewButton_8_7_7.setBounds(344, 429, 51, 48);
361     contentPane.add(btnNewButton_8_7_7);
362
363     JButton btnNewButton_8_7_7_1 = new JButton("27");
364     btnNewButton_8_7_7_1.addMouseListener(new MouseAdapter() {
365         @Override
366         public void mouseClicked(MouseEvent e) {
367             D27Q1();
368             setVisible(false);
369         }
370     });
371     btnNewButton_8_7_7_1.setBackground(new Color(0, 204, 204));
372     btnNewButton_8_7_7_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
373     btnNewButton_8_7_7_1.setBounds(230, 429, 51, 48);
374     contentPane.add(btnNewButton_8_7_7_1);
375
376     JButton btnNewButton_8_7_7_2 = new JButton("26");
377     btnNewButton_8_7_7_2.addMouseListener(new MouseAdapter() {
378         @Override
379         public void mouseClicked(MouseEvent e) {
380             D26Q1();
381             setVisible(false);
382         }
383     });
384     btnNewButton_8_7_7_2.setBackground(new Color(0, 204, 153));
385     btnNewButton_8_7_7_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
386     btnNewButton_8_7_7_2.setBounds(237, 429, 51, 48);
387     contentPane.add(btnNewButton_8_7_7_2);
388
389     JButton btnNewButton_8_7_7_3 = new JButton("25");
390     btnNewButton_8_7_7_3.addMouseListener(new MouseAdapter() {
391         @Override
392         public void mouseClicked(MouseEvent e) {
393             D25Q1();
394             setVisible(false);
395         }
396     });
397     btnNewButton_8_7_7_3.setBackground(new Color(0, 204, 102));
398     btnNewButton_8_7_7_3.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
399     btnNewButton_8_7_7_3.setBounds(184, 429, 51, 48);
400     contentPane.add(btnNewButton_8_7_7_3);
401
402     JButton btnNewButton_8_7_7_4 = new JButton("24");
403     btnNewButton_8_7_7_4.addMouseListener(new MouseAdapter() {
404         @Override
405         public void mouseClicked(MouseEvent e) {
406             D24Q1();
407             setVisible(false);
408         }
409     });
410     btnNewButton_8_7_7_4.setBackground(new Color(0, 204, 51));

```

```

411     btnNewButton_8_7_7_4.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
412     btnNewButton_8_7_7_4.setBounds(131, 729, 51, 48);
413     contentPane.add(btnNewButton_8_7_7_4);
414
415     JButton btnNewButton_8_7_7_5 = new JButton("23");
416     btnNewButton_8_7_7_5.addMouseListener(new MouseAdapter() {
417         @Override
418         public void mouseClicked(MouseEvent e) {
419             D23Q1();
420             setVisible(false);
421         }
422     });
423     btnNewButton_8_7_7_5.setBackground(new Color(0, 204, 0));
424     btnNewButton_8_7_7_5.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
425     btnNewButton_8_7_7_5.setBounds(77, 429, 51, 48);
426     contentPane.add(btnNewButton_8_7_7_5);
427
428     JButton btnNewButton_8_7_7_6 = new JButton("22");
429     btnNewButton_8_7_7_6.addMouseListener(new MouseAdapter() {
430         @Override
431         public void mouseClicked(MouseEvent e) {
432             D22Q1();
433             setVisible(false);
434         }
435     });
436     btnNewButton_8_7_7_6.setBackground(new Color(0, 153, 0));
437     btnNewButton_8_7_7_6.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
438     btnNewButton_8_7_7_6.setBounds(23, 429, 51, 48);
439     contentPane.add(btnNewButton_8_7_7_6);
440
441     JButton btnNewButton_8_7_7_6_1 = new JButton("29");
442     btnNewButton_8_7_7_6_1.addMouseListener(new MouseAdapter() {
443         @Override
444         public void mouseClicked(MouseEvent e) {
445             D29Q1();
446             setVisible(false);
447         }
448     });
449     btnNewButton_8_7_7_6_1.setBackground(new Color(0, 153, 0));
450     btnNewButton_8_7_7_6_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
451     btnNewButton_8_7_7_6_1.setBounds(23, 481, 51, 48);

452     contentPane.add(btnNewButton_8_7_7_6_1);
453
454     JButton btnNewButton_8_7_7_6_1_1 = new JButton("30");
455     btnNewButton_8_7_7_6_1_1.addMouseListener(new MouseAdapter() {
456         @Override
457         public void mouseClicked(MouseEvent e) {
458             D30Q1();
459             setVisible(false);
460         }
461     });
462     btnNewButton_8_7_7_6_1_1.setBackground(new Color(0, 204, 0));
463     btnNewButton_8_7_7_6_1_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
464     btnNewButton_8_7_7_6_1_1.setBounds(77, 481, 51, 48);
465     contentPane.add(btnNewButton_8_7_7_6_1_1);
466
467     JButton btnNewButton_8_7_7_6_1_2 = new JButton("31");
468     btnNewButton_8_7_7_6_1_2.addMouseListener(new MouseAdapter() {
469         @Override
470         public void mouseClicked(MouseEvent e) {
471             D31Q1();
472             setVisible(false);
473         }
474     });
475     btnNewButton_8_7_7_6_1_2.setBackground(new Color(0, 204, 51));
476     btnNewButton_8_7_7_6_1_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 14));
477     btnNewButton_8_7_7_6_1_2.setBounds(131, 481, 51, 48);
478     contentPane.add(btnNewButton_8_7_7_6_1_2);
479
480     JPanel panel = new JPanel();
481     panel.setBackground(new Color(204, 255, 204));
482     panel.setBounds(0, 102, 417, 435);
483     contentPane.add(panel);
484     panel.setLayout(null);
485
486     JButton btnNewButton_11 = new JButton("BACK");
487     btnNewButton_11.addMouseListener(new MouseAdapter() {
488         @Override
489         public void mouseClicked(MouseEvent e) {
490             StartButton create = new StartButton();
491             setVisible(false);
492             create.setVisible(true);
493         }
494     });

```

```

93         }
94     });
95     btnNewButton_11.setBackground(new Color(255, 255, 0));
96     btnNewButton_11.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 16));
97     btnNewButton_11.setBounds(311, 373, 85, 26);
98     panel.add(btnNewButton_11);
99
100    JLabel lblNewLabel = new JLabel("");
101    lblNewLabel.setFont(new Font("Tahoma", Font.PLAIN, 10));
102    lblNewLabel.setBounds(-15, 0, 432, 425);
103    panel.add(lblNewLabel);
104    lblNewLabel.setBackground(new Color(51, 204, 102));
105    lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (397 x 413 px) (255 x 413).png"));
106
107    JButton btnNewButton_9 = new JButton("SUN");
108    btnNewButton_9.setBackground(new Color(255, 255, 0));
109    btnNewButton_9.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 7));
110    btnNewButton_9.setBounds(23, 62, 51, 20);
111    panel.add(btnNewButton_9);
112
113    JButton btnNewButton_9_1 = new JButton("MON");
114    btnNewButton_9_1.setBackground(new Color(204, 255, 0));
115    btnNewButton_9_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 7));
116    btnNewButton_9_1.setBounds(76, 62, 51, 20);
117    panel.add(btnNewButton_9_1);
118
119    JButton btnNewButton_9_2 = new JButton("TUE");
120    btnNewButton_9_2.setBackground(new Color(204, 255, 51));
121    btnNewButton_9_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 7));
122    btnNewButton_9_2.setBounds(131, 62, 51, 20);
123    panel.add(btnNewButton_9_2);
124
125    JButton btnNewButton_9_2_1 = new JButton("WED");
126    btnNewButton_9_2_1.setBackground(new Color(204, 255, 102));
127    btnNewButton_9_2_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 7));
128    btnNewButton_9_2_1.setBounds(186, 62, 51, 20);
129    panel.add(btnNewButton_9_2_1);
130
131    JButton btnNewButton_9_2_2 = new JButton("THU");
132    btnNewButton_9_2_2.setBackground(new Color(204, 255, 153));
133    btnNewButton_9_2_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 7));
134
135    btnNewButton_9_2_2.setBounds(238, 62, 51, 20);
136    panel.add(btnNewButton_9_2_2);
137
138    JButton btnNewButton_9_2_2_1 = new JButton("FRI");
139    btnNewButton_9_2_2_1.setBackground(new Color(204, 255, 204));
140    btnNewButton_9_2_2_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 7));
141    btnNewButton_9_2_2_1.setBounds(292, 62, 51, 20);
142    panel.add(btnNewButton_9_2_2_1);
143
144    JButton btnNewButton_9_2_2_2 = new JButton("SAT");
145    btnNewButton_9_2_2_2.setBackground(new Color(204, 255, 255));
146    btnNewButton_9_2_2_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 7));
147    btnNewButton_9_2_2_2.setBounds(345, 62, 51, 20);
148    panel.add(btnNewButton_9_2_2_2);
149
150    JButton btnNewButton_10 = new JButton("QUIZ CALENDAR");
151    btnNewButton_10.setBackground(new Color(51, 204, 102));
152    btnNewButton_10.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
153    btnNewButton_10.setBounds(36, 20, 370, 32);
154    panel.add(btnNewButton_10);
155
156    //The following method are called by the given number buttons above
157    //Each method has different number of questions with multiple choices
158    //The choices are in Radio Button
159    private void Q1() {
160        JFrame question1Frame = new JFrame("Question 1");
161        question1Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
162        question1Frame.setBounds(100, 100, 431, 654);
163
164        JPanel question1Panel = new JPanel();
165        question1Frame.setContentPane(question1Panel);
166        question1Panel.setLayout(null);
167
168        JButton btnNewButton_1 = new JButton("");
169        btnNewButton_1.addMouseListener(new MouseAdapter() {
170            @Override
171            public void mouseClicked(MouseEvent e) {
172                Terms terms = new Terms();
173                setVisible(false);
174                terms.setVisible(true);
175            }
176        });
177    }

```

```

575     }
576 }
577 JButton btnNewButton_1 = new JButton("New");
578 btnNewButton_1.setBackground(new Color(153, 204, 153));
579 btnNewButton_1.setIcon(new ImageIcon("E:\\NCPE Files\\BS COMPUTER ENGINEERING\\BSCPE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Untitled (40 * 40 px) (40 * 40 px).png"));
580 questionPanel.add(btnNewButton_1);
581
582 //It display the first question
583 JLabel questionLabel = new JLabel("<html>The Amazon in Brazil is ____ longest river in ____ South America.");
584 questionLabel.setFont(new Font("Tahoma", Font.PLAIN, 13));
585 questionLabel.setForeground(new Color(255, 255, 255));
586 questionLabel.setBounds (46, 228, 332, 107);
587 questionPanel.add(questionLabel);
588
589 //Choice number one
590 ButtonGroup questionGroup = new ButtonGroup();
591 JRadioButton question1Option1 = new JRadioButton("the / -");
592 question1Option1.setForeground(Color.WHITE);
593 question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
594 question1Option1.setBackground(new Color(0, 0, 0, 0));
595 question1Option1.setBounds(199, 395, 103, 21);
596 question1Option1.setOpaque(false);
597 question1Panel.add(question1Option1);
598 questionGroup.add(question1Option1);
599
600 //Choice number two
601 JRadioButton question1Option2 = new JRadioButton("- / the");
602 question1Option2.setForeground(Color.WHITE);
603 question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
604 question1Option2.setBackground(new Color(0, 0, 0, 0));
605 question1Option2.setBounds(199, 362, 103, 21);
606 question1Option2.setOpaque(false);
607 question1Panel.add(question1Option2);
608 questionGroup.add(question1Option2);
609
610 //Choice number three
611 JRadioButton question1Option3 = new JRadioButton("the / the");
612 question1Option3.setForeground(Color.WHITE);
613 question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
614 question1Option3.setBackground(new Color(0, 0, 0, 0));
615 question1Option3.setBounds(46, 394, 103, 21);
616
617 question1Option3.setOpaque(false);
618 questionPanel.add(question1Option3);
619 questionGroup.add(question1Option3);
620
621 //Choice number four
622 JRadioButton question1Option4 = new JRadioButton("a / the");
623 question1Option4.setForeground(new Color(255, 255, 255));
624 question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
625 question1Option4.setBackground(new Color(0, 0, 0, 0));
626 question1Option4.setBounds(46, 361, 103, 21);
627 question1Option4.setOpaque(false);
628 question1Panel.add(question1Option4);
629 questionGroup.add(question1Option4);
630
631 JButton question1btnBack = new JButton("BACK");
632 question1btnBack.addMouseListener(new MouseAdapter() {
633     @Override
634     public void mouseClicked(MouseEvent e) {
635         EnglishCAL EnglishCAL = new EnglishCAL ();
636         setVisible(false);
637         questionFrame.dispose();
638         EnglishCAL.setVisible(true);
639     }
640 });
641 question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
642 question1btnBack.setBackground(new Color(153, 204, 153));
643 question1btnBack.setBounds(26, 564, 86, 29);
644 questionPanel.add(question1btnBack);
645
646 //The NEXT button will not proceed to the next question if the user did not select any answer from the choices
647 JButton question1NextButton = new JButton("NEXT");
648 question1NextButton.setBackground(new Color(153, 204, 153));
649 question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
650 question1NextButton.addMouseListener(new MouseAdapter() {
651     @Override
652     public void mouseClicked(MouseEvent e) {
653         if (questionGroup.getSelection() != null) {
654             if (question1Option1.isSelected()) {
655                 correctAnswers = 0;
656                 correctAnswers++;
657             }
658         }
659     }
660 });

```

```

657         question1Frame.dispose();
658         D1Q2();
659     } else {
660         // Prompt the user to select an answer before proceeding
661         JOptionPane.showMessageDialog(question1Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
662     }
663 }
664 question1NextButton.setBounds(305, 564, 86, 29);
665 question1Panel.add(question1NextButton);
666
667
668 JLabel lblNewLabel_2 = new JLabel("");
669 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).."));
670 lblNewLabel_2.setBounds(120, 10, 193, 162);
671 question1Panel.add(lblNewLabel_2);
672
673 JLabel lblNewLabel_3 = new JLabel("");
674 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
675 lblNewLabel_3.setBounds(0, 0, 417, 186);
676 question1Panel.add(lblNewLabel_3);
677
678 JLabel lblNewLabel = new JLabel("");
679 lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
680 lblNewLabel.setBounds(0, 182, 417, 435);
681 question1Panel.add(lblNewLabel);
682
683 question1Frame.setVisible(true);
684
685
686
687 }
688● private void D1Q2() {
689     JFrame question2Frame = new JFrame("Question 2");
690     question2Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
691     question2Frame.setBounds(100, 100, 431, 654);
692
693     JPanel question1Panel = new JPanel();
694     question2Frame.setContentPane(question1Panel);
695     question1Panel.setLayout(null);
696
697     JButton btnNewButton_1 = new JButton("");
698
699     btnNewButton_1.addMouseListener(new MouseAdapter() {
700         @Override
701         public void mouseClicked(MouseEvent e) {
702             Terms terms = new Terms();
703             setVisible(false);
704             terms.setVisible(true);
705         }
706     });
707     btnNewButton_1.setBackground(new Color(153, 204, 153));
708     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40 px).png"));
709     btnNewButton_1.setBounds(367, 29, 40, 35);
710     question1Panel.add(btnNewButton_1);
711
712     JLabel question1Label = new JLabel("<html>Last summer we went on ____ cruise in the Caribbean. Among ____ Islands we visited were Bermuda and the Bahamas.</html>");
713     question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
714     question1Label.setForeground(new Color(255, 255, 255));
715     question1Label.setBounds(45, 228, 332, 107);
716     question1Panel.add(question1Label);
717
718     ButtonGroup question1Group = new ButtonGroup();
719     JRadioButton question1Option1 = new JRadioButton("- / the");
720     question1Option1.setForeground(Color.WHITE);
721     question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
722     question1Option1.setBackground(new Color(0, 0, 0, 0));
723     question1Option1.setBounds(199, 395, 103, 21);
724     question1Option1.setOpaque(false);
725     question1Panel.add(question1Option1);
726     question1Group.add(question1Option1);
727
728     JRadioButton question1Option2 = new JRadioButton("a / the");
729     question1Option2.setForeground(Color.WHITE);
730     question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
731     question1Option2.setBackground(new Color(0, 0, 0, 0));
732     question1Option2.setBounds(199, 362, 103, 21);
733     question1Option2.setOpaque(false);
734     question1Panel.add(question1Option2);
735     question1Group.add(question1Option2);
736
737     JRadioButton question1Option3 = new JRadioButton("the / -");
738     question1Option3.setForeground(Color.WHITE);
739     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));

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739     question1Option3.setBackground(new Color(0, 0, 0, 0));
740     question1Option3.setBounds(46, 394, 103, 21);
741     question1Option3.setOpaque(false);
742     question1Panel.add(question1Option3);
743     question1group.add(question1Option3);
744
745     JRadioButton question1Option4 = new JRadioButton("- / -");
746     question1Option4.setForeground(new Color(255, 255, 255));
747     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 18));
748     question1Option4.setBackground(new Color(0, 0, 0));
749     question1Option4.setBounds(46, 411, 103, 21);
750     question1Option4.setOpaque(false);
751     question1Panel.add(question1Option4);
752     question1group.add(question1Option4);
753
754     JButton question1btnBack = new JButton("BACK");
755     question1btnBack.addMouseListener(new MouseAdapter() {
756         @Override
757         public void mouseClicked(MouseEvent e) {
758             question2Frame.dispose();
759             D1Q1();
760         }
761     });
762     question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
763     question1btnBack.setBackground(new Color(153, 204, 153));
764     question1btnBack.setBounds(26, 564, 86, 29);
765     question1Panel.add(question1btnBack);
766
767     JButton question1NextButton = new JButton("NEXT");
768     question1NextButton.setBackground(new Color(153, 204, 153));
769     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
770     question1NextButton.addMouseListener(new MouseAdapter() {
771         /* @Override
772         public void mouseClicked(MouseEvent e) {
773             if (question1Option2.isSelected()) {
774                 correctAnswers++;
775             }
776             question2Frame.dispose();
777         }
778     });
779 });
780 */
780
781     public void mouseClicked(MouseEvent e) {
782         if (question1Group.getSelection() != null) {
783             if (question1Option2.isSelected()) {
784                 //correctAnswers = 0;
785                 correctAnswers++;
786             }
787             question2Frame.dispose();
788             D1Q3();
789         } else {
790             // Prompt the user to select an answer before proceeding
791             JOptionPane.showMessageDialog(question2Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
792         }
793     };
794     question1NextButton.setBounds(305, 564, 86, 29);
795     question1Panel.add(question1NextButton);
796
797
798     JLabel lblNewLabel_2 = new JLabel("");
799     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
800     lblNewLabel_2.setBounds(120, 10, 193, 162);
801     question1Panel.add(lblNewLabel_2);
802
803
804     JLabel lblNewLabel_3 = new JLabel("");
805     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
806     lblNewLabel_3.setBounds(0, 0, 417, 186);
807     question1Panel.add(lblNewLabel_3);
808
809
810     JLabel lblNewLabel = new JLabel("");
811     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
812     lblNewLabel.setBounds(0, 152, 417, 435);
813     question1Panel.add(lblNewLabel);
814
815     question2Frame.setVisible(true);
816
817 }
818
819 private void D1Q3() {
820     JFrame question3Frame = new JFrame("Question 3");
821     question3Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
822     question3Frame.setBounds(100, 100, 431, 654);

```

```

821 JPanel question1Panel = new JPanel();
822 question3Frame.setContentPane(question1Panel);
823 question1Panel.setLayout(null);
824
825 JButton btnNewButton_1 = new JButton("");
826 btnNewButton_1.addMouseListener(new MouseAdapter() {
827●
828     @Override
829     public void mouseClicked(MouseEvent e) {
830         Terms terms = new Terms();
831         setVisible(false);
832         terms.setVisible(true);
833     }
834 });
835 btnNewButton_1.setBackground(new Color(153, 204, 153));
836 btnNewButton_1.setIcon(new ImageIcon("C:\VCEP Files\BS COMPUTER ENGINEERING\BSCpE - 3GF\2nd Semester\CPE18L Software Design Lab\Untitled (40 x 40 px) (40 x
837 35).png"));
838 btnNewButton_1.setBounds(367, 29, 40, 35);
839 question1Panel.add(btnNewButton_1);
840
841 JLabel question1Label = new JLabel("<html>____ teachers prefer a class that is fairly consistent in having pupils of the same level.</html>");
842 question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
843 question1Label.setForeground(new Color(255, 255, 255));
844 question1Label.setBounds (46, 228, 332, 107);
845 question1Panel.add(question1Label);
846
847 ButtonGroup question1Group = new ButtonGroup();
848 JRadioButton question1Option1 = new JRadioButton("Each");
849 question1Option1.setForeground(Color.WHITE);
850 question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
851 question1Option1.setBackground(new Color(0, 0, 0, 0));
852 question1Option1.setBounds(19, 355, 103, 21);
853 question1Option1.setOpaque(false);
854 question1Panel.add(question1Option1);
855 question1Group.add(question1Option1);
856
857 JRadioButton question1Option2 = new JRadioButton("Every");
858 question1Option2.setForeground(Color.WHITE);
859 question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
860 question1Option2.setBackground(new Color(0, 0, 0, 0));
861 question1Option2.setBounds(199, 362, 103, 21);
862 question1Option2.setOpaque(false);
863
864 question1Panel.add(question1Option2);
865 question1Group.add(question1Option2);
866
867 JRadioButton question1Option3 = new JRadioButton("Neither");
868 question1Option3.setForeground(Color.WHITE);
869 question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
870 question1Option3.setBackground(new Color(0, 0, 0, 0));
871 question1Option3.setBounds(46, 394, 103, 21);
872 question1Option3.setOpaque(false);
873 question1Panel.add(question1Option3);
874 question1Group.add(question1Option3);
875
876 JRadioButton question1Option4 = new JRadioButton("Most");
877 question1Option4.setForeground(new Color(255, 255, 255));
878 question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
879 question1Option4.setBackground(new Color(0, 0, 0, 0));
880 question1Option4.setBounds(46, 361, 103, 21);
881 question1Option4.setOpaque(false);
882 question1Panel.add(question1Option4);
883 question1Group.add(question1Option4);
884
885 JButton question1btnBack = new JButton("BACK");
886 question1btnBack.addMouseListener(new MouseAdapter() {
887     @Override
888     public void mouseClicked(MouseEvent e) {
889         question3Frame.dispose();
890         D1Q2();
891     }
892 });
893 question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
894 question1btnBack.setBackground(new Color(153, 204, 153));
895 question1btnBack.setBounds(26, 564, 86, 29);
896 question1Panel.add(question1btnBack);
897
898 JButton question1NextButton = new JButton("NEXT");
899 question1NextButton.setBackground(new Color(153, 204, 153));
900 question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
901 question1NextButton.addMouseListener(new MouseAdapter() {
902     /* @Override
903     public void mouseClicked(MouseEvent e) {
904         if (question1Option4.isSelected()) {
905

```

```

903         correctAnswers++;
904     }
905     question3Frame.dispose();
906     DlQ4();
907     //showResults();
908   });
909 }
910● public void mouseClicked(MouseEvent e) {
911   if (question1Group.getSelection() != null) {
912     if (question1Option4.isSelected()) {
913       //correctAnswers = 0;
914       correctAnswers++;
915     }
916     question3Frame.dispose();
917     DlQ4();
918   } else {
919     // Prompt the user to select an answer before proceeding
920     JOptionPane.showMessageDialog(question3Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
921   }
922 }
923 };
924 question1NextButton.setBounds(305, 564, 86, 29);
925 question1Panel.add(question1NextButton);
926
927
928 JLabel lblNewLabel_2 = new JLabel("");
929 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
930 lblNewLabel_2.setBounds(120, 10, 193, 162);
931 question1Panel.add(lblNewLabel_2);
932
933 JLabel lblNewLabel_3 = new JLabel("");
934 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
935 lblNewLabel_3.setBounds(0, 0, 117, 166);
936 question1Panel.add(lblNewLabel_3);
937
938 JLabel lblNewLabel = new JLabel("");
939 lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
940 lblNewLabel.setBounds(0, 182, 417, 435);
941 question1Panel.add(lblNewLabel);
942
943
944 question3Frame.setVisible(true);
945
946
947 }
948
949● private void DlQ4() {
950   JFrame question4Frame = new JFrame("Question 4");
951   question4Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
952   question4Frame.setBounds(100, 100, 431, 654);
953
954 JPanel question1Panel = new JPanel();
955 question4Frame.setContentPane(question1Panel);
956 question1Panel.setLayout(null);
957
958 JButton btnNewButton_1 = new JButton("");
959 btnNewButton_1.addMouseListener(new MouseAdapter() {
960   @Override
961   public void mouseClicked(MouseEvent e) {
962     Terms terms = new Terms();
963     setVisible(false);
964     terms.setVisible(true);
965   }
966 });
967 btnNewButton_1.setBackground(new Color(153, 204, 153));
968 btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40 px).png"));
969 btnNewButton_1.setBounds(367, 29, 40, 35);
970 question1Panel.add(btnNewButton_1);
971
972 JLabel question1Label = new JLabel("<html>_____ of what he said was very sensible.</html>");
973 question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
974 question1Label.setForeground(new Color(255, 255, 255));
975 question1Label.setBounds (46, 228, 332, 107);
976 question1Panel.add(question1Label);
977
978 ButtonGroup question1Group = new ButtonGroup();
979 JRadioButton question1Option1 = new JRadioButton("Many");
980 question1Option1.setForeground(Color.WHITE);
981 question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
982 question1Option1.setBackground(new Color(0, 0, 0));
983 question1Option1.setBounds(193, 395, 103, 21);
984 question1Option1.setOpaque(false);
985 question1Panel.add(question1Option1);

```

```

985     question1Group.add(question1Option1);
986
987     JRadioButton question1Option2 = new JRadioButton("Much");
988     question1Option2.setForeground(Color.WHITE);
989     question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
990     question1Option2.setBackground(new Color(0, 0, 0));
991     question1Option2.setBounds(195, 362, 103, 21);
992     question1Option2.setOpaque(false);
993     question1Panel.add(question1Option2);
994     question1Group.add(question1Option2);
995
996     JRadioButton question1Option3 = new JRadioButton("Few");
997     question1Option3.setForeground(Color.WHITE);
998     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
999     question1Option3.setBackground(new Color(0, 0, 0));
1000    question1Option3.setBounds(446, 394, 103, 21);
1001    question1Option3.setOpaque(false);
1002    question1Panel.add(question1Option3);
1003    question1Group.add(question1Option3);
1004
1005    JRadioButton question1Option4 = new JRadioButton("A few");
1006    question1Option4.setForeground(new Color(255, 255, 255));
1007    question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
1008    question1Option4.setBackground(new Color(0, 0, 0));
1009    question1Option4.setBounds(446, 361, 103, 21);
1010    question1Option4.setOpaque(false);
1011    question1Panel.add(question1Option4);
1012    question1Group.add(question1Option4);
1013
1014    JButton question1btnBack = new JButton("BACK");
1015    question1btnBack.addMouseListener(new MouseAdapter() {
1016        @Override
1017        public void mouseClicked(MouseEvent e) {
1018            question4Frame.dispose();
1019            D1Q3();
1020        }
1021    });
1022    question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1023    question1btnBack.setBackground(new Color(153, 204, 153));
1024    question1btnBack.setBounds(26, 564, 86, 29);
1025    question1Panel.add(question1btnBack);
1026
1027    JButton question1NextButton = new JButton("NEXT");
1028    question1NextButton.setBackground(new Color(153, 204, 153));
1029    question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1030    question1NextButton.addMouseListener(new MouseAdapter() {
1031        @Override
1032        public void mouseClicked(MouseEvent e) {
1033            if (question1Option2.isSelected()) {
1034                correctAnswers++;
1035            }
1036            question4Frame.dispose();
1037            D1Q5();
1038            //showResults();
1039        }
1040    });
1041    public void mouseClicked(MouseEvent e) {
1042        if (question1Group.getSelection() != null) {
1043            if (question1Option2.isSelected()) {
1044                //correctAnswers = 0;
1045                correctAnswers++;
1046            }
1047            question4Frame.dispose();
1048            D1Q5();
1049        } else {
1050            // Prompt the user to select an answer before proceeding
1051            JOptionPane.showMessageDialog(question4Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
1052        }
1053    }
1054 };
1055    question1NextButton.setBounds(305, 564, 86, 29);
1056    question1Panel.add(question1NextButton);
1057
1058
1059    JLabel lblNewLabel_2 = new JLabel("");
1060    lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
1061    lblNewLabel_2.setBounds(120, 10, 193, 162);
1062    question1Panel.add(lblNewLabel_2);
1063
1064    JLabel lblNewLabel_3 = new JLabel("");
1065    lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
1066
```

```

1067     lblNewLabel_3.setBounds(0, 0, 417, 186);
1068     question4Panel.add(lblNewLabel_3);
1069
1070     JLabel lblNewLabel = new JLabel("");
1071     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Untitled (417 x 435 px) (1).png"));
1072     lblNewLabel.setBounds(0, 182, 417, 435);
1073     question4Panel.add(lblNewLabel);
1074
1075     question4Frame.setVisible(true);
1076 }
1077
1078● private void DIQ5() {
1079     JFrame question5Frame = new JFrame("Question 5");
1080     question5Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
1081     question5Frame.setBounds(100, 100, 431, 654);
1082
1083     JPanel question5Panel = new JPanel();
1084     question5Frame.setContentPane(question5Panel);
1085     question5Panel.setLayout(null);
1086
1087     JButton btnNewButton_1 = new JButton("");
1088     btnNewButton_1.addMouseListener(new MouseAdapter() {
1089         @Override
1090         public void mouseClicked(MouseEvent e) {
1091             Terms terms = new Terms();
1092             setVisible(false);
1093             terms.setVisible(true);
1094         }
1095     });
1096     btnNewButton_1.setBackground(new Color(153, 204, 153));
1097     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Untitled (40 x 40 px) (40 x 40).png"));
1098     btnNewButton_1.setBounds(367, 29, 40, 35);
1099     question5Panel.add(btnNewButton_1);
1100
1101     JLabel questionLabel = new JLabel("<html>Some people believe vaccines overload our immune system, making it less able to react to other diseases ____ meningitis or A");
1102     questionLabel.setFont(new Font("Tahoma", Font.PLAIN, 13));
1103     questionLabel.setForeground(new Color(255, 255, 255));
1104     questionLabel.setBounds(16, 228, 332, 107);
1105     question5Panel.add(questionLabel);
1106
1107 }
1108

```

```

1108 JButton question1Group = new ButtonGroup();
1109 JRadioButton question1Option1 = new JRadioButton("but for");
1110 question1Option1.setForeground(Color.WHITE);
1111 question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
1112 question1Option1.setBackground(new Color(0, 0, 0, 0));
1113 question1Option1.setBounds(199, 395, 103, 21);
1114 question1Option1.setOpaque(false);
1115 question1Panel.add(question1Option1);
1116 question1Group.add(question1Option1);
1117
1118 JRadioButton question1Option2 = new JRadioButton("lest");
1119 question1Option2.setForeground(Color.WHITE);
1120 question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
1121 question1Option2.setBackground(new Color(0, 0, 0, 0));
1122 question1Option2.setBounds(199, 362, 103, 21);
1123 question1Option2.setOpaque(false);
1124 question1Panel.add(question1Option2);
1125 question1Group.add(question1Option2);
1126
1127 JRadioButton question1Option3 = new JRadioButton("such as");
1128 question1Option3.setForeground(Color.WHITE);
1129 question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
1130 question1Option3.setBackground(new Color(0, 0, 0, 0));
1131 question1Option3.setBounds(44, 394, 103, 21);
1132 question1Option3.setOpaque(false);
1133 question1Panel.add(question1Options3);
1134 question1Group.add(question1Option3);
1135
1136 JRadioButton question1Option4 = new JRadioButton("and");
1137 question1Option4.setForeground(new Color(255, 255, 255));
1138 question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
1139 question1Option4.setBackground(new Color(0, 0, 0, 0));
1140 question1Option4.setBounds(44, 361, 103, 21);
1141 question1Option4.setOpaque(false);
1142 question1Panel.add(question1Option4);
1143 question1Group.add(question1Option4);
1144
1145 JButton question1BtnBack = new JButton("BACK");
1146 question1BtnBack.addMouseListener(new MouseAdapter() {
1147     @Override
1148     public void mouseClicked(MouseEvent e) {

```

```

1149         question5Frame.dispose();
1150     }
1151 }
1152 });
questionlbtnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
questionlbtnBack.setBackground(new Color(153, 204, 153));
questionlbtnBack.setBounds(10, 564, 86, 29);
questionlPanel.add(questionlbtnBack);
1156
1157 JButton questionlNextButton = new JButton("NEXT");
1158 questionlNextButton.setBackground(new Color(153, 204, 153));
1159 questionlNextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1160 questionlNextButton.addMouseListener(new MouseAdapter() {
1161 */
1162     @Override
1163     public void mouseClicked(MouseEvent e) {
1164         if (questionlOption3.isSelected()) {
1165             correctAnswers++;
1166         }
1167         question5Frame.dispose();
1168         //DlQ5();
1169         DlshowResults();
1170     }
1171 */
1172     public void mouseClicked(MouseEvent e) {
1173         if (questionlGroup.getSelection() != null) {
1174             if (questionlOption3.isSelected()) {
1175                 //correctAnswers = 0;
1176                 correctAnswers++;
1177             }
1178             question5Frame.dispose();
1179             //DlQ5();
1180             DlshowResults();
1181         } else {
1182             // Prompt the user to select an answer before proceeding
1183             JOptionPane.showMessageDialog(question5Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
1184         }
1185     }
1186 });
questionlNextButton.setBounds(105, 564, 86, 29);
1188 questionlPanel.add(questionlNextButton);
1189

```

```

1190
1191 JLabel lblNewLabel_2 = new JLabel("");
1192 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
1193 lblNewLabel_2.setBounds(120, 10, 193, 162);
1194 questionlPanel.add(lblNewLabel_2);
1195
1196 JLabel lblNewLabel_3 = new JLabel("");
1197 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
1198 lblNewLabel_3.setBounds(0, 0, 417, 186);
1199 questionlPanel.add(lblNewLabel_3);
1200
1201 JLabel lblNewLabel = new JLabel("");
1202 lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
1203 lblNewLabel.setBounds(0, 182, 417, 435);
1204 questionlPanel.add(lblNewLabel);
1205
1206 question5Frame.setVisible(true);
1207
1208 }
1209
1210 */
1211 private void DlshowResults() {
1212     JFrame resultsFrame = new JFrame("Results");
1213     resultsFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
1214     resultsFrame.setBounds(100, 100, 431, 654);
1215
1216     JPanel resultsPanel = new JPanel();
1217     resultsFrame.setContentPane(resultsPanel);
1218     resultsPanel.setLayout(null);
1219
1220
1221     JButton btnNewButton_1 = new JButton("");
1222     btnNewButton_1.addMouseListener(new MouseAdapter() {
1223 */
1224     @Override
1225     public void mouseClicked(MouseEvent e) {
1226         Terms terms = new Terms();
1227         setVisible(false);
1228         terms.setVisible(true);
1229     }
1230 });
1231 btnNewButton_1.setBackground(new Color(153, 204, 153));

```

```

1201     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 * 40 px) (40 * 40 px).png"));
1202     btnNewButton_1.setBounds(367, 29, 40, 35);
1203     resultsPanel.add(btnNewButton_1);
1204
1205     double Dlpercent;
1206     Dlpercent = ((double) correctAnswers / 5) * 100;
1207     String formattedPercent = String.format("%.1f", Dlpercent);
1208
1209     JLabel lblNewLabel_4_1_2 = new JLabel(formattedPercent + "%");
1210     lblNewLabel_4_1_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
1211     lblNewLabel_4_1_2.setBounds(256, 426, 83, 35);
1212     resultsPanel.add(lblNewLabel_4_1_2);
1213
1214     JLabel lblNewLabel_4_1_1 = new JLabel("%");
1215     lblNewLabel_4_1_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
1216     lblNewLabel_4_1_1.setBounds(256, 376, 57, 35);
1217     resultsPanel.add(lblNewLabel_4_1_1);
1218
1219     JLabel lblNewLabel_4_1 = new JLabel(" " + correctAnswers);
1220     lblNewLabel_4_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
1221     lblNewLabel_4_1.setBounds(256, 331, 57, 35);
1222     resultsPanel.add(lblNewLabel_4_1);
1223
1224     JLabel lblNewLabel_4 = new JLabel("<html><PERCENTAGE:</t></html>");
1225     lblNewLabel_4.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
1226     lblNewLabel_4.setBounds(28, 426, 305, 35);
1227     resultsPanel.add(lblNewLabel_4);
1228
1229     JLabel lblNewLabel_1 = new JLabel("<html><SCORE:<br><br><ITEMS:</html>");
1230     lblNewLabel_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
1231     lblNewLabel_1.setVerticalAlignment(SwingConstants.TOP);
1232     lblNewLabel_1.setBounds(28, 331, 241, 85);
1233     resultsPanel.add(lblNewLabel_1);
1234
1235     JButton btnHome = new JButton("HOME");
1236     btnHome.addMouseListener(new MouseAdapter() {
1237         @Override
1238         public void mouseClicked(MouseEvent e) {
1239             ScreenQuiz ScreenQuiz = new ScreenQuiz();
1240             setVisible(false);
1241             resultsFrame.dispose();
1242
1243             ScreenQuiz.setVisible(true);
1244         }
1245     });
1246     btnHome.setBackground(new Color(255, 255, 255));
1247     btnHome.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1248     btnHome.setBounds(242, 407, 97, 35);
1249     resultsPanel.add(btnHome);
1250
1251     JButton btnNewButton = new JButton("BACK");
1252     btnNewButton.addMouseListener(new MouseAdapter() {
1253         @Override
1254         public void mouseClicked(MouseEvent e) {
1255             EnglishCAL EnglishCAL = new EnglishCAL ();
1256             setVisible(false);
1257             resultsFrame.dispose();
1258             EnglishCAL.setVisible(true);
1259         }
1260     });
1261     btnNewButton.setBackground(new Color(255, 255, 255));
1262     btnNewButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1263     btnNewButton.setBounds(28, 407, 97, 35);
1264     resultsPanel.add(btnNewButton);
1265
1266     JLabel lblNewLabel_2 = new JLabel("");
1267     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
1268     lblNewLabel_2.setBounds(120, 10, 193, 162);
1269     resultsPanel.add(lblNewLabel_2);
1270
1271     JLabel lblNewLabel_3 = new JLabel("");
1272     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
1273     lblNewLabel_3.setBounds(0, 0, 417, 186);
1274     resultsPanel.add(lblNewLabel_3);
1275     JLabel lblNewLabel_1 = new JLabel("");
1276     lblNewLabel_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 10));
1277     lblNewLabel_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Qresult.png"));
1278     lblNewLabel_1.setBounds(0, 182, 417, 435);
1279     resultsPanel.add(lblNewLabel_1);
1280
1281     resultsFrame.setVisible(true);
1282
1283 }

```

```

1313
1314● private void D2Q1() {
1315     JFrame question1Frame = new JFrame("Question 1");
1316     question1Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
1317     question1Frame.setBounds(100, 100, 431, 654);
1318
1319     JPanel question1Panel = new JPanel();
1320     question1Frame.getContentPane().add(question1Panel);
1321     question1Panel.setLayout(null);
1322
1323     JButton btnNewButton_1 = new JButton("");
1324●     btnNewButton_1.addMouseListener(new MouseAdapter() {
1325         @Override
1326         public void mouseClicked(MouseEvent e) {
1327             Terms terms = new Terms();
1328             setVisible(false);
1329             terms.setVisible(true);
1330         }
1331     });
1332     btnNewButton_1.setBackground(new Color(153, 204, 153));
1333     btnNewButton_1.setIcon(new ImageIcon("C:\CPE Files\BS COMPUTER ENGINEERING\BScP - 3GF\2nd Semester\CPCE18L Software Design Lab\Untitled (40 * 40 px) (40 * 40 px).png"));
1334     btnNewButton_1.setBounds(367, 29, 40, 35);
1335     question1Panel.add(btnNewButton_1);
1336
1337     JLabel question1Label = new JLabel("<html>The Amazon in Brazil is _____ longest river in _____ South America.");
1338     question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
1339     question1Label.setForeground(new Color(255, 255, 255));
1340     question1Label.setBounds(46, 228, 332, 107);
1341     question1Panel.add(question1Label);
1342
1343     ButtonGroup question1Group = new ButtonGroup();
1344     RadioButton question1Option1 = new RadioButton("the / -");
1345     question1Option1.setForeground(Color.WHITE);
1346     question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
1347     question1Option1.setBackground(new Color(0, 0, 0));
1348     question1Option1.setBounds(159, 365, 103, 21);
1349     question1Option1.setOpaque(false);
1350     question1Panel.add(question1Option1);
1351     question1Group.add(question1Option1);
1352
1353     RadioButton question1Option2 = new RadioButton("- / the");
1354
1355     question1Option2.setForeground(Color.WHITE);
1356     question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
1357     question1Option2.setBackground(new Color(0, 0, 0));
1358     question1Option2.setBounds(199, 362, 103, 21);
1359     question1Option2.setOpaque(false);
1360     question1Panel.add(question1Option2);
1361     question1Group.add(question1Option2);
1362
1363     RadioButton question1Option3 = new RadioButton("the / the");
1364     question1Option3.setForeground(Color.WHITE);
1365     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
1366     question1Option3.setBackground(new Color(0, 0, 0));
1367     question1Option3.setBounds(46, 394, 103, 21);
1368     question1Option3.setOpaque(false);
1369     question1Panel.add(question1Option3);
1370     question1Group.add(question1Option3);
1371
1372     RadioButton question1Option4 = new RadioButton("s / the");
1373     question1Option4.setForeground(new Color(255, 255, 255));
1374     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
1375     question1Option4.setBackground(new Color(0, 0, 0));
1376     question1Option4.setBounds(46, 361, 103, 21);
1377     question1Option4.setOpaque(false);
1378     question1Panel.add(question1Option4);
1379     question1Group.add(question1Option4);
1380
1381     JButton question1btnBack = new JButton("BACK");
1382●     question1btnBack.addMouseListener(new MouseAdapter() {
1383         @Override
1384         public void mouseClicked(MouseEvent e) {
1385             EnglishCAL EnglishCAL = new EnglishCAL ();
1386             setVisible(false);
1387             question1Frame.dispose();
1388             EnglishCAL.setVisible(true);
1389         }
1390     });
1391     question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1392     question1btnBack.setBackground(new Color(153, 204, 153));
1393     question1btnBack.setBounds(26, 564, 86, 29);
1394     question1Panel.add(question1btnBack);

```

```

1395     JButton questionINextButton = new JButton("NEXT");
1396     questionINextButton.setBackground(new Color(153, 204, 153));
1397     questionINextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1398     questionINextButton.addMouseListener(new MouseAdapter() {
1399
1400         @Override
1401         public void mouseClicked(MouseEvent e) {
1402             if (questionIGroup.getSelection() != null) {
1403                 if (questionIOption1.isSelected()) {
1404                     correctAnswers = 0;
1405                     correctAnswers++;
1406                 }
1407                 questionIFrame.dispose();
1408                 D2Q2();
1409             } else {
1410                 // Prompt the user to select an answer before proceeding
1411                 JOptionPane.showMessageDialog(questionIFrame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
1412             }
1413         }
1414     });
1415     questionINextButton.setBounds(305, 564, 86, 29);
1416     questionIPanel.add(questionINextButton);
1417
1418
1419     JLabel lblNewLabel_2 = new JLabel("");
1420     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
1421     lblNewLabel_2.setBounds(120, 10, 193, 162);
1422     questionIPanel.add(lblNewLabel_2);
1423
1424     JLabel lblNewLabel_3 = new JLabel("");
1425     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Bg for logo.png"));
1426     lblNewLabel_3.setBounds(0, 0, 417, 186);
1427     questionIPanel.add(lblNewLabel_3);
1428
1429     JLabel lblNewLabel = new JLabel("");
1430     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
1431     lblNewLabel.setBounds(0, 182, 417, 435);
1432     questionIPanel.add(lblNewLabel);
1433
1434     questionIFrame.setVisible(true);
1435
1436
1437     }
1438     private void D2Q2() {
1439         JFrame question2Frame = new JFrame("Question 2");
1440         question2Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
1441         question2Frame.setBounds(100, 100, 431, 654);
1442
1443         JPanel questionIPanel = new JPanel();
1444         question2Frame.setContentPane(questionIPanel);
1445         questionIPanel.setLayout(null);
1446
1447         JButton btnNewButton_1 = new JButton("");
1448         btnNewButton_1.addMouseListener(new MouseAdapter() {
1449
1450             @Override
1451             public void mouseClicked(MouseEvent e) {
1452                 Terms terms = new Terms();
1453                 setVisible(false);
1454                 terms.setVisible(true);
1455             }
1456         });
1457         btnNewButton_1.setBackground(new Color(153, 204, 153));
1458         btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40).png"));
1459         btnNewButton_1.setBounds(367, 29, 40, 35);
1460         questionIPanel.add(btnNewButton_1);
1461
1462         JLabel questionLabel = new JLabel("<html>Last summer we went on ____ cruise in the Caribbean. Among ____ Islands we visited were Bermuda and the Bahamas.</html>");
1463         questionLabel.setFont(new Font("Tahoma", Font.PLAIN, 13));
1464         questionLabel.setForeground(new Color(255, 255, 255));
1465         questionLabel.setBounds(46, 228, 332, 107);
1466         questionIPanel.add(questionLabel);
1467
1468         ButtonGroup questionIGroup = new ButtonGroup();
1469         JRadioButton questionIOption1 = new JRadioButton("- / the");
1470         questionIOption1.setForeground(Color.WHITE);
1471         questionIOption1.setFont(new Font("Tahoma", Font.PLAIN, 13));
1472         questionIOption1.setBackground(new Color(0, 0, 0));
1473         questionIOption1.setBounds(199, 395, 103, 21);
1474         questionIOption1.setOpaque(false);
1475         questionIPanel.add(questionIOption1);
1476         questionIGroup.add(questionIOption1);
1477
1478         JRadioButton questionIOption2 = new JRadioButton("a / the");
1479

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1477     question1Option2.setForeground(Color.WHITE);
1478     question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
1479     question1Option2.setBackground(new Color(0, 0, 0, 0));
1480     question1Option2.setBounds(199, 362, 103, 21);
1481     question1Option2.setOpaque(false);
1482     question1Panel.add(question1Option2);
1483
1484     JRadioButton question1Option3 = new JRadioButton("the / -");
1485     question1Option3.setForeground(Color.WHITE);
1486     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
1487     question1Option3.setBackground(new Color(0, 0, 0, 0));
1488     question1Option3.setBounds(46, 394, 103, 21);
1489     question1Option3.setOpaque(false);
1490     question1Panel.add(question1Option3);
1491     question1Group.add(question1Option3);
1492
1493     JRadioButton question1Option4 = new JRadioButton("- / -");
1494     question1Option4.setForeground(new Color(255, 255, 255));
1495     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
1496     question1Option4.setBackground(new Color(0, 0, 0, 0));
1497     question1Option4.setBounds(46, 361, 103, 21);
1498     question1Option4.setOpaque(false);
1499     question1Panel.add(question1Option4);
1500     question1Group.add(question1Option4);
1501
1502     JButton question1btnBack = new JButton("BACK");
1503     question1btnBack.addMouseListener(new MouseAdapter() {
1504         @Override
1505         public void mouseClicked(MouseEvent e) {
1506             question2Frame.dispose();
1507             D2Q1();
1508         }
1509     });
1510     question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1511     question1btnBack.setBackground(new Color(153, 204, 153));
1512     question1btnBack.setBounds(26, 564, 86, 29);
1513     question1Panel.add(question1btnBack);
1514
1515     JButton question1NextButton = new JButton("NEXT");
1516     question1NextButton.setBackground(new Color(153, 204, 153));
1517
1518     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1519     question1NextButton.addMouseListener(new MouseAdapter() {
1520         @Override
1521         public void mouseClicked(MouseEvent e) {
1522             if (question1Option2.isSelected()) {
1523                 correctAnswers++;
1524             }
1525             question2Frame.dispose();
1526             D1Q3();
1527         }
1528     });
1529     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1530     question1NextButton.addMouseListener(new MouseAdapter() {
1531         @Override
1532         public void mouseClicked(MouseEvent e) {
1533             if (question1Group.getSelection() != null) {
1534                 if (question1Option2.isSelected()) {
1535                     correctAnswers = 0;
1536                 }
1537                 question2Frame.dispose();
1538                 D2Q3();
1539             } else {
1540                 // Prompt the user to select an answer before proceeding
1541                 JOptionPane.showMessageDialog(question2Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
1542             }
1543         }
1544     });
1545     question1Panel.add(question1NextButton);
1546
1547     JLabel lblNewLabel_2 = new JLabel("");
1548     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
1549     lblNewLabel_2.setBounds(120, 10, 193, 162);
1550     question1Panel.add(lblNewLabel_2);
1551
1552     JLabel lblNewLabel_3 = new JLabel("");
1553     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
1554     lblNewLabel_3.setBounds(0, 0, 417, 186);
1555     question1Panel.add(lblNewLabel_3);
1556
1557     JLabel lblNewLabel = new JLabel("");
1558

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1558     JLabel lblNewLabel = new JLabel("");
1559     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPOZ\\Untitled (1).png"));
1560     lblNewLabel.setBounds(102, 11, 435);
1561     question1Panel.add(lblNewLabel);
1562 
1563     question2Frame.setVisible(true);
1564 }
1565 }
1566● private void D2Q3() {
1567     JFrame question3Frame = new JFrame("Question 3");
1568     question3Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
1569     question3Frame.setBounds(100, 100, 431, 654);
1570 
1571     JPanel question1Panel = new JPanel();
1572     question3Frame.setContentPane(question1Panel);
1573     question1Panel.setLayout(null);
1574 
1575     JButton btnNewButton_1 = new JButton("");
1576     btnNewButton_1.addMouseListener(new MouseAdapter() {
1577         @Override
1578         public void mouseClicked(MouseEvent e) {
1579             Terms terms = new Terms();
1580             setVisible(false);
1581             terms.setVisible(true);
1582         }
1583     });
1584     btnNewButton_1.setBackground(new Color(153, 204, 153));
1585     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPOZ\\Untitled (40 x 40 px).png"));
1586     btnNewButton_1.setBounds(367, 29, 40, 35);
1587     question1Panel.add(btnNewButton_1);
1588 
1589     JLabel question1Label = new JLabel("<html>____ teachers prefer a class that is fairly consistent in having pupils of the same level.</html>");
1590     question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
1591     question1Label.setForeground(new Color(255, 255, 255));
1592     question1Label.setBounds(46, 226, 332, 107);
1593     question1Panel.add(question1Label);
1594 
1595     ButtonGroup question1Group = new ButtonGroup();
1596     JRadioButton question1option1 = new JRadioButton("Each");
1597     question1option1.setForeground(Color.WHITE);
1598     question1option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
1599 
1600     question1option1.setBackground(new Color(0, 0, 0, 0));
1601     question1option1.setBounds(199, 395, 103, 21);
1602     question1option1.setOpaque(false);
1603     question1Panel.add(question1option1);
1604     question1Group.add(question1option1);
1605 
1606     JRadioButton question1option2 = new JRadioButton("Every");
1607     question1option2.setForeground(Color.WHITE);
1608     question1option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
1609     question1option2.setBackground(new Color(0, 0, 0, 0));
1610     question1option2.setBounds(199, 362, 103, 21);
1611     question1option2.setOpaque(false);
1612     question1Panel.add(question1option2);
1613     question1Group.add(question1option2);
1614 
1615     JRadioButton question1option3 = new JRadioButton("Neither");
1616     question1option3.setForeground(Color.WHITE);
1617     question1option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
1618     question1option3.setBackground(new Color(0, 0, 0, 0));
1619     question1option3.setBounds(46, 394, 103, 21);
1620     question1option3.setOpaque(false);
1621     question1Panel.add(question1option3);
1622     question1Group.add(question1option3);
1623 
1624     JRadioButton question1option4 = new JRadioButton("Most");
1625     question1option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
1626     question1option4.setBackground(new Color(255, 255, 255));
1627     question1option4.setBounds(46, 361, 103, 21);
1628     question1option4.setOpaque(false);
1629     question1Panel.add(question1option4);
1630     question1Group.add(question1option4);
1631 
1632     JButton question1btnBack = new JButton("BACK");
1633     question1btnBack.addMouseListener(new MouseAdapter() {
1634         @Override
1635         public void mouseClicked(MouseEvent e) {
1636             question3Frame.dispose();
1637             D2Q2();
1638         }
1639     });

```

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1640     question1BtnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1641     question1BtnBack.setBackground(new Color(153, 204, 153));
1642     question1BtnBack.setBounds(26, 564, 86, 29);
1643     question1Panel.add(question1BtnBack);
1644
1645     JButton question1NextButton = new JButton("NEXT");
1646     question1NextButton.setBackground(new Color(153, 204, 153));
1647     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1648     question1NextButton.addMouseListener(new MouseAdapter() {
1649         @Override
1650         public void mouseClicked(MouseEvent e) {
1651             if (question1Option4.isSelected()) {
1652                 correctAnswers++;
1653             }
1654             question3Frame.dispose();
1655             D1Q4();
1656             //showResults();
1657         }
1658     });
1659     public void mouseClicked(MouseEvent e) {
1660         if (question1Group.getSelection() != null) {
1661             if (question1Option4.isSelected()) {
1662                 //correctAnswers = 0;
1663                 correctAnswers++;
1664             }
1665             question3Frame.dispose();
1666             D2Q4();
1667         } else {
1668             // Prompt the user to select an answer before proceeding
1669             JOptionPane.showMessageDialog(question3Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
1670         }
1671     }
1672     question1NextButton.setBounds(305, 564, 86, 29);
1673     question1Panel.add(question1NextButton);
1674
1675
1676
1677     JLabel lblNewLabel_2 = new JLabel("");
1678     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
1679     lblNewLabel_2.setBounds(120, 10, 193, 162);
1680
1681     lblNewLabel_2.setBounds(120, 10, 193, 162);
1682     question1Panel.add(lblNewLabel_2);
1683
1684     JLabel lblNewLabel_3 = new JLabel("");
1685     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
1686     lblNewLabel_3.setBounds(0, 417, 186);
1687     question1Panel.add(lblNewLabel_3);
1688
1689     JLabel lblNewLabel = new JLabel("");
1690     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
1691     lblNewLabel.setBounds(0, 182, 417, 435);
1692     question1Panel.add(lblNewLabel);
1693
1694     question3Frame.setVisible(true);
1695
1696
1697     private void D2Q4() {
1698         JFrame question4Frame = new JFrame("Question 4");
1699         question4Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
1700         question4Frame.setBounds(100, 100, 431, 654);
1701
1702         JPanel question4Panel = new JPanel();
1703         question4Frame.setContentPane(question4Panel);
1704         question4Panel.setLayout(null);
1705
1706         JButton btnNewButton_1 = new JButton("");
1707         btnNewButton_1.addMouseListener(new MouseAdapter() {
1708             @Override
1709             public void mouseClicked(MouseEvent e) {
1710                 Terms terms = new Terms();
1711                 setVisible(false);
1712                 terms.setVisible(true);
1713             }
1714         });
1715         btnNewButton_1.setBackground(new Color(153, 204, 153));
1716         btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40 px) (1).png"));
1717         btnNewButton_1.setBounds(367, 29, 40, 35);
1718         question4Panel.add(btnNewButton_1);
1719
1720         JLabel question1Label = new JLabel("<html>..... of what he said was very sensible.</html>");

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1721     questionLabel.setFont(new Font("Tahoma", Font.PLAIN, 13));
1722     questionLabel.setForeground(new Color(255, 255, 255));
1723     questionLabel.setBounds(46, 228, 332, 107);
1724     questionPanel.add(questionLabel);
1725
1726     ButtonGroup question1Group = new ButtonGroup();
1727     JRadioButton question1Option1 = new JRadioButton("Many");
1728     question1Option1.setForeground(Color.WHITE);
1729     question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
1730     question1Option1.setBackground(new Color(0, 0, 0, 0));
1731     question1Option1.setBounds(199, 395, 103, 21);
1732     question1Option1.setOpaque(false);
1733     questionPanel.add(question1Option1);
1734     questionGroup.add(question1Option1);
1735
1736     JRadioButton question1Option2 = new JRadioButton("Much");
1737     question1Option2.setForeground(Color.WHITE);
1738     question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
1739     question1Option2.setBackground(new Color(0, 0, 0, 0));
1740     question1Option2.setBounds(199, 362, 103, 21);
1741     question1Option2.setOpaque(false);
1742     questionPanel.add(question1Option2);
1743     questionGroup.add(question1Option2);
1744
1745     JRadioButton question1Option3 = new JRadioButton("Few");
1746     question1Option3.setForeground(Color.WHITE);
1747     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
1748     question1Option3.setBackground(new Color(0, 0, 0, 0));
1749     question1Option3.setBounds(46, 354, 103, 21);
1750     question1Option3.setOpaque(false);
1751     questionPanel.add(question1Option3);
1752     questionGroup.add(question1Option3);
1753
1754     JRadioButton question1Option4 = new JRadioButton("A few");
1755     question1Option4.setForeground(new Color(255, 255, 255));
1756     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
1757     question1Option4.setBackground(new Color(0, 0, 0, 0));
1758     question1Option4.setBounds(46, 361, 103, 21);
1759     question1Option4.setOpaque(false);
1760     questionPanel.add(question1Option4);
1761     questionGroup.add(question1Option4);

1762     JButton question1btnBack = new JButton("BACK");
1763     question1btnBack.addMouseListener(new MouseAdapter() {
1764         @Override
1765         public void mouseClicked(MouseEvent e) {
1766             question4Frame.dispose();
1767             D2Q3();
1768         }
1769     });
1770     question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1771     question1btnBack.setBackground(new Color(153, 204, 153));
1772     question1btnBack.setBounds(26, 564, 86, 29);
1773     questionPanel.add(question1btnBack);
1774
1775     JButton question1NextButton = new JButton("NEXT");
1776     question1NextButton.setBackground(new Color(153, 204, 153));
1777     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1778     question1NextButton.addMouseListener(new MouseAdapter() {
1779         @Override
1780         public void mouseClicked(MouseEvent e) {
1781             if (question1Option1.isSelected()) {
1782                 correctAnswers++;
1783             }
1784             question4Frame.dispose();
1785             D1Q5();
1786             //showResults();
1787         }
1788     });
1789 }
1790 public void mouseClicked(MouseEvent e) {
1791     if (questionGroup.getSelection() != null) {
1792         if (question1Option2.isSelected()) {
1793             //correctAnswers = 0;
1794             correctAnswers++;
1795         }
1796         question4Frame.dispose();
1797         D2Q5();
1798     } else {
1799         // Prompt the user to select an answer before proceeding
1800         JOptionPane.showMessageDialog(question4Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
1801     }
1802 }

```

```

1803 });
1804 questionINextButton.setBounds(305, 564, 86, 29);
1805 questionIPanel.add(questionINextButton);
1806
1807
1808
1809 JLabel lblNewLabel_2 = new JLabel("");
1810 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
1811 lblNewLabel_2.setBounds(120, 10, 193, 162);
1812 questionIPanel.add(lblNewLabel_2);
1813
1814 JLabel lblNewLabel_3 = new JLabel("");
1815 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
1816 lblNewLabel_3.setBounds(0, 0, 417, 186);
1817 questionIPanel.add(lblNewLabel_3);
1818
1819 JLabel lblNewLabel = new JLabel("");
1820 lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
1821 lblNewLabel.setBounds(0, 182, 417, 435);
1822 questionIPanel.add(lblNewLabel);
1823
1824 question4Frame.setVisible(true);
1825
1826 }
1827
1828 private void DQ5() {
1829 JFrame question5Frame = new JFrame("Question 5");
1830 question5Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
1831 question5Frame.setBounds(100, 100, 431, 654);
1832
1833 JPanel questionIPanel = new JPanel();
1834 question5Frame.setContentPane(questionIPanel);
1835 questionIPanel.setLayout(null);
1836
1837 JButton btnNewButton_1 = new JButton("");
1838 btnNewButton_1.addMouseListener(new MouseAdapter() {
1839
1840     public void mouseClicked(MouseEvent e) {
1841         Terms terms = new Terms();
1842         setVisible(false);
1843         terms.setVisible(true);
1844     }
1845 });
1846 btnNewButton_1.setBackground(new Color(153, 204, 153));
1847 btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40 px).png"));
1848 btnNewButton_1.setBounds(367, 29, 40, 35);
1849 questionIPanel.add(btnNewButton_1);
1850
1851 JLabel questionIPanelLabel = new JLabel("<html>Some people believe vaccines overload our immune system, making it less able to react to other diseases ____ meningitis or AI");
1852 questionIPanelLabel.setFont(new Font("Tahoma", Font.PLAIN, 13));
1853 questionIPanelLabel.setForeground(new Color(255, 255, 255));
1854 questionIPanelLabel.setBounds (46, 228, 332, 107);
1855 questionIPanel.add(questionIPanelLabel);
1856
1857 ButtonGroup question1Group = new ButtonGroup();
1858 JRadioButton question1Option1 = new JRadioButton("but for");
1859 question1Option1.setForeground(Color.WHITE);
1860 question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
1861 question1Option1.setBackground(new Color(0, 0, 0));
1862 question1Option1.setBounds(129, 355, 103, 21);
1863 question1Option1.setOpaque(false);
1864 questionIPanel.add(question1Option1);
1865 question1Group.add(question1Option1);
1866
1867 JRadioButton question1Option2 = new JRadioButton("lest");
1868 question1Option2.setForeground(Color.WHITE);
1869 question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
1870 question1Option2.setBackground(new Color(0, 0, 0));
1871 question1Option2.setBounds(199, 362, 103, 21);
1872 question1Option2.setOpaque(false);
1873 questionIPanel.add(question1Option2);
1874 question1Group.add(question1Option2);
1875
1876 JRadioButton question1Option3 = new JRadioButton("such as");
1877 question1Option3.setForeground(Color.WHITE);
1878 question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
1879 question1Option3.setBackground(new Color(0, 0, 0));
1880 question1Option3.setBounds(46, 394, 103, 21);
1881 question1Option3.setOpaque(false);
1882 questionIPanel.add(question1Option3);
1883 question1Group.add(question1Option3);
1884

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1895     JRadioButton questionlOption4 = new JRadioButton("and");
1896     questionlOption4.setForeground(new Color(255, 255, 255));
1897     questionlOption4.setFont("Times New Roman", Font.PLAIN, 13);
1898     questionlOption4.setBackground(new Color(0, 0, 0, 0));
1899     questionlOption4.setBounds(46, 361, 103, 21);
1900     questionlOption4.setOpaque(false);
1901     questionlPanel.add(questionlOption4);
1902     questionlGroup.add(questionlOption4);
1903
1904     JButton questionlbtnBack = new JButton("BACK");
1905     questionlbtnBack.addMouseListener(new MouseAdapter() {
1906         @Override
1907         public void mouseClicked(MouseEvent e) {
1908             question5Frame.dispose();
1909             D2Q4();
1910         }
1911     });
1912     questionlbtnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1913     questionlbtnBack.setBackground(new Color(153, 204, 153));
1914     questionlbtnBack.setBounds(26, 564, 86, 29);
1915     questionlPanel.add(questionlbtnBack);
1916
1917     JButton questionlNextButton = new JButton("NEXT");
1918     questionlNextButton.setBackground(new Color(153, 204, 153));
1919     questionlNextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1920     questionlNextButton.addMouseListener(new MouseAdapter() {
1921         /* @Override
1922         public void mouseClicked(MouseEvent e) {
1923             if (questionlOption3.isSelected()) {
1924                 correctAnswers++;
1925             }
1926         }
1927         public void mousePressed(MouseEvent e) {
1928             if (questionlGroup.getSelection() != null) {
1929                 if (questionlOption3.isSelected()) {
1930                     //correctAnswers = 0;
1931                     correctAnswers++;
1932                 }
1933             }
1934         }
1935     });
1936     questionlNextButton.setBounds(305, 564, 86, 29);
1937     questionlPanel.add(questionlNextButton);
1938
1939
1940
1941     JLabel lblNewLabel_2 = new JLabel("");
1942     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
1943     lblNewLabel_2.setBounds(120, 10, 193, 162);
1944     questionlPanel.add(lblNewLabel_2);
1945
1946     JLabel lblNewLabel_3 = new JLabel("");
1947     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
1948     lblNewLabel_3.setBounds(0, 0, 417, 186);
1949     questionlPanel.add(lblNewLabel_3);
1950
1951     JLabel lblNewLabel = new JLabel("");
1952     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
1953     lblNewLabel.setBounds(0, 182, 417, 435);
1954     questionlPanel.add(lblNewLabel);
1955
1956     question5Frame.setVisible(true);
1957 }
1958
1959 private void D2showResults() {
1960     JFrame resultsFrame = new JFrame("Results");
1961     resultsFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
1962     resultsFrame.setBounds(100, 100, 431, 654);
1963
1964     JPanel resultsPanel = new JPanel();
1965     resultsFrame.setContentPane(resultsPanel);

```

```

1967     resultsPanel.setLayout(null);
1968
1969
1970     JButton btnNewButton_1 = new JButton("");
1971     btnNewButton_1.addMouseListener(new MouseAdapter() {
1972         @Override
1973         public void mouseClicked(MouseEvent e) {
1974             Terms terms = new Terms();
1975             setVisible(false);
1976             terms.setVisible(true);
1977         }
1978     });
1979     btnNewButton_1.setBackground(new Color(153, 204, 153));
1980     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x
1981     40).png"));
1982     btnNewButton_1.setBounds(367, 29, 40, 35);
1983     resultsPanel.add(btnNewButton_1);
1984
1985     double Dpercent;
1986     Dpercent = ((double) correctAnswers / 5) * 100;
1987     String formattedPercent = String.format("%.1f", Dpercent);
1988
1989     JLabel lblNewLabel_4_1_2 = new JLabel(formattedPercent + "%");
1990     lblNewLabel_4_1_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
1991     lblNewLabel_4_1_2.setBounds(256, 426, 83, 35);
1992     resultsPanel.add(lblNewLabel_4_1_2);
1993
1994     JLabel lblNewLabel_4_1_1 = new JLabel("5");
1995     lblNewLabel_4_1_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
1996     lblNewLabel_4_1_1.setBounds(256, 376, 57, 35);
1997     resultsPanel.add(lblNewLabel_4_1_1);
1998
1999     JLabel lblNewLabel_4_1 = new JLabel(""+ correctAnswers);
2000     lblNewLabel_4_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
2001     lblNewLabel_4_1.setBounds(256, 331, 57, 35);
2002     resultsPanel.add(lblNewLabel_4_1);
2003
2004     JLabel lblNewLabel_4 = new JLabel("<html>PERCENTAGE:</></html>");
2005     lblNewLabel_4.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
2006     lblNewLabel_4.setBounds(28, 426, 305, 35);
2007     resultsPanel.add(lblNewLabel_4);
2008
2009     JLabel lblNewLabel_1 = new JLabel("<html>SCORE:<br><br>ITEMS:</html>");
2010     lblNewLabel_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
2011     lblNewLabel_1.setVerticalAlignment(SwingConstants.TOP);
2012     lblNewLabel_1.setBounds(28, 331, 241, 85);
2013     resultsPanel.add(lblNewLabel_1);
2014
2015     JButton btnHome = new JButton("HOME");
2016     btnHome.addMouseListener(new MouseAdapter() {
2017         @Override
2018         public void mouseClicked(MouseEvent e) {
2019             ScreenQuiz screenQuiz = new ScreenQuiz();
2020             setVisible(false);
2021             resultsFrame.dispose();
2022             screenQuiz.setVisible(true);
2023         }
2024     });
2025     btnHome.setBackground(new Color(255, 255, 255));
2026     btnHome.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2027     btnHome.setBounds(249, 407, 97, 35);
2028     resultsPanel.add(btnHome);
2029
2030     JButton btnNewButton = new JButton("BACK");
2031     btnNewButton.addMouseListener(new MouseAdapter() {
2032         @Override
2033         public void mouseClicked(MouseEvent e) {
2034             EnglishCAL englishCAL = new EnglishCAL ();
2035             setVisible(false);
2036             resultsFrame.dispose();
2037             EnglishCAL.setVisible(true);
2038         }
2039     });
2040     btnNewButton.setBackground(new Color(255, 255, 255));
2041     btnNewButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2042     btnNewButton.setBounds(28, 407, 97, 35);
2043     resultsPanel.add(btnNewButton);
2044
2045     JLabel lblNewLabel_2 = new JLabel("");
2046     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
2047     lblNewLabel_2.setBounds(120, 10, 193, 162);
2048     resultsPanel.add(lblNewLabel_2);

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2049     JLabel lblNewLabel_3 = new JLabel("");
2050     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScP E - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
2051     lblNewLabel_3.setBounds(13, 13, 106, 106);
2052     resultsPanel.add(lblNewLabel_3);
2053     JLabel lblNewLabel = new JLabel("");
2054     lblNewLabel.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 10));
2055     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScP E - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Qresult.png"));
2056     lblNewLabel.setBounds(1, 152, 417, 435);
2057     resultsPanel.add(lblNewLabel);
2058 
2059     resultsFrame.setVisible(true);
2060 }
2061 
2062● private void D3Q1() {
2063     JFrame question1Frame = new JFrame("Question 1");
2064     question1Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
2065     question1Frame.setBounds(100, 100, 431, 654);
2066 
2067     JPanel question1Panel = new JPanel();
2068     question1Frame.setContentPane(question1Panel);
2069     question1Panel.setLayout(null);
2070 
2071     JButton btnNewButton_1 = new JButton("");
2072     btnNewButton_1.addMouseListener(new MouseAdapter() {
2073         @Override
2074         public void mouseClicked(MouseEvent e) {
2075             Terms terms = new Terms();
2076             setVisible(false);
2077             terms.setVisible(true);
2078         }
2079     });
2080     btnNewButton_1.setBackground(new Color(153, 204, 153));
2081     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScP E - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Untitled (40 x 40 px) (40 x
2082     btnNewButton_1.setBounds(367, 29, 40, 35);
2083     question1Panel.add(btnNewButton_1);
2084 
2085     JLabel question1Label = new JLabel("<html>The Amazon in Brazil is ____ longest river in ____ South America.");
2086     question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
2087     question1Label.setForeground(new Color(255, 255, 255));
2088     question1Label.setBounds(46, 228, 332, 107);
2089     question1Panel.add(question1Label);
2090 
2091     ButtonGroup question1Group = new ButtonGroup();
2092     JRadioButton question1Option1 = new JRadioButton("the / -");
2093     question1Option1.setForeground(Color.WHITE);
2094     question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
2095     question1Option1.setBackground(new Color(0, 0, 0, 0));
2096     question1Option1.setBounds(199, 395, 103, 21);
2097     question1Option1.setOpaque(false);
2098     question1Panel.add(question1Option1);
2099     question1Group.add(question1Option1);
2100 
2101     JRadioButton question1Option2 = new JRadioButton("- / the");
2102     question1Option2.setForeground(Color.WHITE);
2103     question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
2104     question1Option2.setBackground(new Color(0, 0, 0, 0));
2105     question1Option2.setBounds(159, 362, 103, 21);
2106     question1Option2.setOpaque(false);
2107     question1Panel.add(question1Option2);
2108     question1Group.add(question1Option2);
2109 
2110     JRadioButton question1Option3 = new JRadioButton("the / the");
2111     question1Option3.setForeground(Color.WHITE);
2112     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
2113     question1Option3.setBackground(new Color(0, 0, 0, 0));
2114     question1Option3.setBounds(46, 394, 103, 21);
2115     question1Option3.setOpaque(false);
2116     question1Panel.add(question1Option3);
2117     question1Group.add(question1Option3);
2118 
2119     JRadioButton question1Option4 = new JRadioButton("a / the");
2120     question1Option4.setForeground(new Color(255, 255, 255));
2121     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
2122     question1Option4.setBackground(new Color(0, 0, 0, 0));
2123     question1Option4.setBounds(46, 361, 103, 21);
2124     question1Option4.setOpaque(false);
2125     question1Panel.add(question1Option4);
2126     question1Group.add(question1Option4);
2127 
2128     JButton question1BtnBack = new JButton("BACK");
2129     question1BtnBack.addMouseListener(new MouseAdapter() {
2130         @Override

```

```

▲ 2131     public void mouseClicked(MouseEvent e) {
2132         EnglishCAL EnglishCAL = new EnglishCAL ();
2133         setVisible(false);
2134         questionFrame.dispose();
2135         EnglishCAL.setVisible(true);
2136     }
2137 });
2138 questionlbnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2139 questionlbnBack.setBackground(new Color(153, 204, 153));
2140 questionlbnBack.setBounds(26, 564, 86, 29);
2141 questionlPanel.add(questionlbnBack);
2142
2143 JButton questionINextButton = new JButton("NEXT");
2144 questionINextButton.setBackground(new Color(153, 204, 153));
2145 questionINextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2146 questionINextButton.addMouseListener(new MouseAdapter() {
2147     @Override
2148     public void mouseClicked(MouseEvent e) {
2149         if (questionGroup.getSelection() != null) {
2150             if (questionOption1.isSelected()) {
2151                 correctAnswers = 0;
2152                 correctAnswers++;
2153             }
2154             questionFrame.dispose();
2155             D3Q2();
2156         } else {
2157             // Prompt the user to select an answer before proceeding
2158             JOptionPane.showMessageDialog(questionlFrame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
2159         }
2160     }
2161 });
2162 questionINextButton.setBounds(305, 564, 86, 29);
2163 questionlPanel.add(questionINextButton);
2164
2165
2166 JLabel lblNewLabel_2 = new JLabel("");
2167 lblNewLabel_2.setIcon(new ImageIcon("D:\\CFE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
2168 lblNewLabel_2.setBounds(120, 10, 193, 162);
2169 questionlPanel.add(lblNewLabel_2);
2170
2171
2172 JLabel lblNewLabel_3 = new JLabel("");
2173 lblNewLabel_3.setIcon(new ImageIcon("D:\\CFE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
2174 lblNewLabel_3.setBounds(0, 0, 417, 186);
2175 questionlPanel.add(lblNewLabel_3);
2176
2177 JLabel lblNewLabel = new JLabel("");
2178 lblNewLabel.setIcon(new ImageIcon("D:\\CFE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
2179 lblNewLabel.setBounds(0, 182, 417, 435);
2180 questionlPanel.add(lblNewLabel);
2181
2182 questionlFrame.setVisible(true);
2183
2184 }
2185 private void D3Q2() {
2186     JFrame question2Frame = new JFrame("Question 2");
2187     question2Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
2188     question2Frame.setBounds(100, 100, 431, 654);
2189
2190     JPanel question2Panel = new JPanel();
2191     question2Frame.setContentPane(question2Panel);
2192     question2Panel.setLayout(null);
2193
2194     JButton btnNewButton_1 = new JButton("");
2195     btnNewButton_1.addMouseListener(new MouseAdapter() {
2196         @Override
2197         public void mouseClicked(MouseEvent e) {
2198             Terms terms = new Terms();
2199             setVisible(false);
2200             terms.setVisible(true);
2201         }
2202     });
2203     btnNewButton_1.setBackground(new Color(153, 204, 153));
2204     btnNewButton_1.setIcon(new ImageIcon("D:\\CFE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40 px).png"));
2205     btnNewButton_1.setBounds(367, 29, 40, 35);
2206     question2Panel.add(btnNewButton_1);
2207
2208     JLabel questionlLabel = new JLabel("<html>Last summer we went on ____ cruise in the Caribbean. Among ____ Islands we visited were Bermuda and the Bahamas.</html>");
2209     questionlLabel.setFont(new Font("Tahoma", Font.PLAIN, 13));
2210     questionlLabel.setForeground(new Color(255, 255, 255));
2211     questionlLabel.setBounds (46, 228, 332, 107);
2212     question2Panel.add(questionlLabel);

```

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1213
1214     JButton question1Panel = new JButton("ANSWER");
1215     question1Panel.addActionListener(new ActionListener() {
1216         public void actionPerformed(ActionEvent e) {
1217             question1Option1.setOpaque(true);
1218             question1Option1.setForeground(Color.WHITE);
1219             question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
1220             question1Option1.setBackground(new Color(0, 0, 0, 0));
1221             question1Option1.setBounds(199, 395, 103, 21);
1222             question1Option1.setOpaque(false);
1223             question1Panel.add(question1Option1);
1224             question1Group.add(question1Option1);
1225
1226             JRadioButton question1Option2 = new JRadioButton("a / the");
1227             question1Option2.setForeground(Color.WHITE);
1228             question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
1229             question1Option2.setBackground(new Color(0, 0, 0, 0));
1230             question1Option2.setBounds(199, 362, 103, 21);
1231             question1Option2.setOpaque(false);
1232             question1Panel.add(question1Option2);
1233             question1Group.add(question1Option2);
1234
1235             JRadioButton question1Option3 = new JRadioButton("the / -");
1236             question1Option3.setForeground(Color.WHITE);
1237             question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
1238             question1Option3.setBackground(new Color(0, 0, 0, 0));
1239             question1Option3.setBounds(46, 394, 103, 21);
1240             question1Option3.setOpaque(false);
1241             question1Panel.add(question1Option3);
1242             question1Group.add(question1Option3);
1243
1244             JRadioButton question1Option4 = new JRadioButton("- / -");
1245             question1Option4.setForeground(new Color(255, 255, 255));
1246             question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
1247             question1Option4.setBackground(new Color(0, 0, 0, 0));
1248             question1Option4.setBounds(46, 361, 103, 21);
1249             question1Option4.setOpaque(false);
1250             question1Panel.add(question1Option4);
1251             question1Group.add(question1Option4);
1252
1253             JButton question1BtnBack = new JButton("BACK");
1254             question1BtnBack.addMouseListener(new MouseAdapter() {
1255                 @Override
1256
1257                 public void mouseClicked(MouseEvent e) {
1258                     question2Frame.dispose();
1259                     D3Q1();
1260                 }
1261             });
1262             question1Panel.add(question1BtnBack);
1263
1264             JButton question1NextButton = new JButton("NEXT");
1265             question1NextButton.setBackground(new Color(153, 204, 153));
1266             question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1267             question1NextButton.setBounds(26, 564, 86, 29);
1268             question1Panel.add(question1NextButton);
1269
1270             /* @Override
1271             public void mouseClicked(MouseEvent e) {
1272                 if (question1Option2.isSelected()) {
1273                     correctAnswers++;
1274                 }
1275             }*/
1276         }
1277     });
1278     public void mouseClicked(MouseEvent e) {
1279         if (question1Group.getSelection() != null) {
1280             if (question1Option2.isSelected()) {
1281                 //correctAnswers = 0;
1282                 correctAnswers++;
1283             }
1284             question2Frame.dispose();
1285             D3Q3();
1286         } else {
1287             // Prompt the user to select an answer before proceeding
1288             JOptionPane.showMessageDialog(question2Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
1289         }
1290     });
1291     question1NextButton.setBounds(305, 564, 86, 29);
1292     question1Panel.add(question1NextButton);
1293
1294

```

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2295     JLabel lblNewLabel_2 = new JLabel("");
2296     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScP E - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
2297     lblNewLabel_2.setBounds(120, 10, 193, 162);
2298     question1Panel.add(lblNewLabel_2);
2299
2300     JLabel lblNewLabel_3 = new JLabel("");
2301     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScP E - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
2302     lblNewLabel_3.setBounds(0, 0, 417, 162);
2303     question1Panel.add(lblNewLabel_3);
2304
2305     JLabel lblNewLabel = new JLabel("");
2306     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScP E - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
2307     lblNewLabel.setBounds(0, 182, 417, 435);
2308     question1Panel.add(lblNewLabel);
2309
2310     question2Frame.setVisible(true);
2311
2312 }
2313
2314● private void D3Q3() {
2315     JFrame question3Frame = new JFrame("Question 3");
2316     question3Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
2317     question3Frame.setBounds(100, 100, 431, 654);
2318
2319     JPanel question1Panel = new JPanel();
2320     question3Frame.setContentPane(question1Panel);
2321     question1Panel.setLayout(null);
2322
2323     JButton btnNewButton_1 = new JButton("");
2324     btnNewButton_1.addMouseListener(new MouseAdapter() {
2325         @Override
2326         public void mouseClicked(MouseEvent e) {
2327             Terms terms = new Terms();
2328             setVisible(false);
2329             terms.setVisible(true);
2330         }
2331     });
2332     btnNewButton_1.setBackground(new Color(153, 204, 153));
2333     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScP E - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40 px).png"));
2334     btnNewButton_1.setBounds(367, 29, 40, 35);
2335     question1Panel.add(btnNewButton_1);
2336
2337     JLabel question1Label = new JLabel("<html>____ teachers prefer a class that is fairly consistent in having pupils of the same level.</html>");
2338     question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
2339     question1Label.setForeground(new Color(255, 255, 255));
2340     question1Label.setBounds(46, 228, 332, 107);
2341     question1Panel.add(question1Label);
2342
2343     ButtonGroup question1Group = new ButtonGroup();
2344     JRadioButton question1Option1 = new JRadioButton("Each");
2345     question1Option1.setForeground(Color.WHITE);
2346     question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
2347     question1Option1.setBackground(new Color(0, 0, 0, 0));
2348     question1Option1.setBounds(199, 395, 103, 21);
2349     question1Option1.setOpaque(false);
2350     question1Panel.add(question1Option1);
2351     question1Group.add(question1Option1);
2352
2353     JRadioButton question1Option2 = new JRadioButton("Every");
2354     question1Option2.setForeground(Color.WHITE);
2355     question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
2356     question1Option2.setBackground(new Color(0, 0, 0, 0));
2357     question1Option2.setBounds(199, 362, 103, 21);
2358     question1Option2.setOpaque(false);
2359     question1Panel.add(question1Option2);
2360     question1Group.add(question1Option2);
2361
2362     JRadioButton question1Option3 = new JRadioButton("Neither");
2363     question1Option3.setForeground(Color.WHITE);
2364     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
2365     question1Option3.setBackground(new Color(0, 0, 0, 0));
2366     question1Option3.setBounds(44, 394, 103, 21);
2367     question1Option3.setOpaque(false);
2368     question1Panel.add(question1Option3);
2369     question1Group.add(question1Option3);
2370
2371     JRadioButton question1Option4 = new JRadioButton("Most");
2372     question1Option4.setForeground(new Color(255, 255, 255));
2373     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
2374     question1Option4.setBackground(new Color(0, 0, 0, 0));
2375     question1Option4.setBounds(44, 361, 103, 21);
2376     question1Option4.setOpaque(false);

```

```

2377     question1Panel.add(question1Option4);
2378     question1Group.add(question1Option4);
2379
2380     JButton question1btnBack = new JButton("BACK");
2381     question1btnBack.addMouseListener(new MouseAdapter() {
2382         @Override
2383         public void mouseClicked(MouseEvent e) {
2384             question3Frame.dispose();
2385             D3Q2();
2386         }
2387     });
2388     question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2389     question1btnBack.setBackground(new Color(153, 204, 153));
2390     question1btnBack.setBounds(26, 564, 86, 29);
2391     question1Panel.add(question1btnBack);
2392
2393     JButton question1NextButton = new JButton("NEXT");
2394     question1NextButton.setBackground(new Color(153, 204, 153));
2395     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2396     question1NextButton.addMouseListener(new MouseAdapter() {
2397         @Override
2398         public void mouseClicked(MouseEvent e) {
2399             if (question1Option4.isSelected()) {
2400                 correctAnswers++;
2401             }
2402             question3Frame.dispose();
2403             D1Q4();
2404             //showResults();
2405         }
2406     });
2407     public void mouseClicked(MouseEvent e) {
2408         if (question1Group.getSelection() != null) {
2409             if (question1Option4.isSelected()) {
2410                 //correctAnswers = 0;
2411                 correctAnswers++;
2412             }
2413             question3Frame.dispose();
2414             D3Q4();
2415         } else {
2416             // Prompt the user to select an answer before proceeding
2417             JOptionPane.showMessageDialog(question3Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
2418         }
2419     }
2420 });
2421 question1NextButton.setBounds(305, 564, 86, 29);
2422 question1Panel.add(question1NextButton);
2423
2424
2425
2426 JLabel lblNewLabel_2 = new JLabel("");
2427 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE16L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
2428 lblNewLabel_2.setBounds(120, 10, 193, 162);
2429 question1Panel.add(lblNewLabel_2);
2430
2431 JLabel lblNewLabel_3 = new JLabel("");
2432 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE16L Software Design Lab\\CORPUZ\\Bg for logo.png"));
2433 lblNewLabel_3.setBounds(0, 0, 417, 186);
2434 question1Panel.add(lblNewLabel_3);
2435
2436 JLabel lblNewLabel = new JLabel("");
2437 lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE16L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
2438 lblNewLabel.setBounds(0, 182, 417, 435);
2439 question1Panel.add(lblNewLabel);
2440
2441 question3Frame.setVisible(true);
2442
2443
2444
2445 private void D3Q4() {
2446     JFrame question4Frame = new JFrame("Question 4");
2447     question4Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
2448     question4Frame.setBounds(100, 100, 431, 654);
2449
2450     JPanel question4Panel = new JPanel();
2451     question4Frame.setContentPane(question4Panel);
2452     question4Panel.setLayout(null);
2453
2454     JButton btnNewButton_1 = new JButton("");
2455     btnNewButton_1.addMouseListener(new MouseAdapter() {
2456         @Override
2457         public void mouseClicked(MouseEvent e) {
2458             Terms terms = new Terms();
2459         }
2460     });

```

```

2459         setVisible(false);
2460         terms.setVisible(true);
2461     });
2462     btnNewButton_1.setBackground(new Color(153, 204, 153));
2463     btnNewButton_1.setIcon(new ImageIcon("D:\\VCE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPCE18L Software Design Lab\\Untitled (40 x 40 px) (40 x
2464     40).png"));
2465     btnNewButton_1.setBounds(367, 29, 40, 35);
2466     questionIPanel.add(btnNewButton_1);
2467 
2468     JLabel questionLabel = new JLabel("<html>____ of what he said was very sensible.</html>");
2469     questionLabel.setFont(new Font("Tahoma", Font.PLAIN, 13));
2470     questionLabel.setForeground(new Color(255, 255, 255));
2471     questionLabel.setBounds (46, 228, 332, 107);
2472     questionIPanel.add(questionLabel);
2473 
2474     ButtonGroup questionIGroup = new ButtonGroup();
2475     JRadioButton questionIOption1 = new JRadioButton("Many");
2476     questionIOption1.setForeground(Color.WHITE);
2477     questionIOption1.setFont(new Font("Tahoma", Font.PLAIN, 13));
2478     questionIOption1.setBackground(new Color(0, 0, 0));
2479     questionIOption1.setBounds(199, 395, 103, 21);
2480     questionIOption1.setOpaque(false);
2481     questionIPanel.add(questionIOption1);
2482     questionIGroup.add(questionIOption1);
2483 
2484     JRadioButton questionIOption2 = new JRadioButton("Much");
2485     questionIOption2.setForeground(new Font("Tahoma", Font.PLAIN, 13));
2486     questionIOption2.setBackground(new Color(0, 0, 0));
2487     questionIOption2.setBounds(199, 362, 103, 21);
2488     questionIOption2.setOpaque(false);
2489     questionIPanel.add(questionIOption2);
2490     questionIGroup.add(questionIOption2);
2491 
2492     JRadioButton questionIOption3 = new JRadioButton("Few");
2493     questionIOption3.setForeground(Color.WHITE);
2494     questionIOption3.setFont(new Font("Tahoma", Font.PLAIN, 13));
2495     questionIOption3.setBackground(new Color(0, 0, 0));
2496     questionIOption3.setBounds(46, 394, 103, 21);
2497     questionIOption3.setOpaque(false);
2498     questionIPanel.add(questionIOption3);
2499 
2500     questionIGroup.add(questionIOption3);
2501 
2502     JRadioButton questionIOption4 = new JRadioButton("A few");
2503     questionIOption4.setForeground(new Color(255, 255, 255));
2504     questionIOption4.setFont(new Font("Tahoma", Font.PLAIN, 13));
2505     questionIOption4.setBackground(new Color(0, 0, 0));
2506     questionIOption4.setBounds(46, 361, 103, 21);
2507     questionIOption4.setOpaque(false);
2508     questionIPanel.add(questionIOption4);
2509     questionIGroup.add(questionIOption4);
2510 
2511     JButton questionIbtnBack = new JButton("BACK");
2512     questionIbtnBack.addMouseListener(new MouseAdapter() {
2513         @Override
2514         public void mouseClicked(MouseEvent e) {
2515             question4Frame.dispose();
2516             D3Q3();
2517         }
2518     });
2519     questionIbtnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2520     questionIbtnBack.setBackground(new Color(153, 204, 153));
2521     questionIbtnBack.setBounds(26, 564, 86, 29);
2522     questionIPanel.add(questionIbtnBack);
2523 
2524     JButton questionINextButton = new JButton("NEXT");
2525     questionINextButton.setBackground(new Color(153, 204, 153));
2526     questionINextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2527     questionINextButton.addMouseListener(new MouseAdapter() {
2528         @Override
2529         public void mouseClicked(MouseEvent e) {
2530             if (questionIOption2.isSelected()) {
2531                 correctAnswers++;
2532             }
2533             question4Frame.dispose();
2534             D1Q5();
2535             //showResults();
2536         }
2537     });
2538     public void mouseClicked(MouseEvent e) {
2539         if (questionIGroup.getSelection() != null) {
2540             if (questionIOption2.isSelected()) {
2541

```

```

2541         //correctAnswers = 0;
2542         correctAnswers++;
2543     }
2544     question4Frame.dispose();
2545     DQS();
2546 } else {
2547     // Prompt the user to select an answer before proceeding
2548     JOptionPane.showMessageDialog(question4Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
2549 }
2550 }
2551 });
2552 question1NextButton.setBounds(205, 564, 86, 29);
2553 question1Panel.add(question1NextButton);
2554
2555
2556
2557 JLabel lblNewLabel_2 = new JLabel("");
2558 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScPE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
2559 lblNewLabel_2.setBounds(120, 10, 193, 162);
2560 question1Panel.add(lblNewLabel_2);
2561
2562 JLabel lblNewLabel_3 = new JLabel("");
2563 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScPE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
2564 lblNewLabel_3.setBounds(0, 0, 417, 186);
2565 question1Panel.add(lblNewLabel_3);
2566
2567 JLabel lblNewLabel = new JLabel("");
2568 lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScPE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
2569 lblNewLabel.setBounds(0, 182, 417, 435);
2570 question1Panel.add(lblNewLabel);
2571
2572 question4Frame.setVisible(true);
2573
2574
2575
2576
2577 private void DQS() {
2578     JFrame question5Frame = new JFrame("Question 5");
2579     question5Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
2580     question5Frame.setBounds(100, 100, 431, 654);
2581 }
```

```

2581 JPanel question5Panel = new JPanel();
2582 question5Frame.setContentPane(question5Panel);
2583 question5Panel.setLayout(null);
2584
2585 JButton btnNewButton_1 = new JButton("");
2586 btnNewButton_1.addMouseListener(new MouseAdapter() {
2587     @Override
2588     public void mouseClicked(MouseEvent e) {
2589         Terms terms = new Terms();
2590         setVisible(false);
2591         terms.setVisible(true);
2592     }
2593 });
2594 btnNewButton_1.setBackground(new Color(153, 204, 153));
2595 btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScPE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40).png"));
2596 btnNewButton_1.setBounds(367, 29, 40, 35);
2597 question5Panel.add(btnNewButton_1);
2598
2599 JLabel question5Label = new JLabel("chtm1>Some people believe vaccines overload our immune system, making it less able to react to other diseases ____ meningitis or A");
2600 question5Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
2601 question5Label.setForeground(new Color(255, 255, 255));
2602 question5Label.setBounds(46, 228, 332, 107);
2603 question5Panel.add(question5Label);
2604
2605 ButtonGroup question5Group = new ButtonGroup();
2606 JRadioButton question5Option1 = new JRadioButton("but for");
2607 question5Option1.setForeground(Color.WHITE);
2608 question5Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
2609 question5Option1.setBackground(new Color(0, 0, 0, 0));
2610 question5Option1.setBounds(199, 395, 103, 21);
2611 question5Option1.setOpaque(false);
2612 question5Panel.add(question5Option1);
2613 question5Group.add(question5Option1);
2614
2615 JRadioButton question5Option2 = new JRadioButton("lest");
2616 question5Option2.setForeground(Color.WHITE);
2617 question5Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
2618 question5Option2.setBackground(new Color(0, 0, 0, 0));
2619 question5Option2.setBounds(199, 362, 103, 21);
2620 question5Option2.setOpaque(false);
2621 question5Panel.add(question5Option2);
2622 }
```

```

2622 question1Group.add(question1Option2);
2623
2624 JRadioButton question1Option3 = new JRadioButton("such as");
2625 question1Option3.setForeground(new Color(255, 255, 255));
2626 question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
2627 question1Option3.setBackground(new Color(0, 0, 0, 0));
2628 question1Option3.setBounds(11, 394, 103, 21);
2629 question1Option3.setOpaque(true);
2630 question1Panel.add(question1Option3);
2631 question1Group.add(question1Option3);
2632
2633 JRadioButton question1Option4 = new JRadioButton("and");
2634 question1Option4.setForeground(new Color(255, 255, 255));
2635 question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
2636 question1Option4.setBackground(new Color(0, 0, 0, 0));
2637 question1Option4.setBounds(46, 361, 103, 21);
2638 question1Option4.setOpaque(true);
2639 question1Panel.add(question1Option4);
2640 question1Group.add(question1Option4);
2641
2642 JButton question1btnBack = new JButton("BACK");
2643 question1btnBack.addMouseListener(new MouseAdapter() {
2644     @Override
2645     public void mouseClicked(MouseEvent e) {
2646         question5Frame.dispose();
2647         D1Q4();
2648     }
2649 });
2650 question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2651 question1btnBack.setBackground(new Color(153, 204, 153));
2652 question1btnBack.setBounds(26, 564, 86, 29);
2653 question1Panel.add(question1btnBack);
2654
2655 JButton question1NextButton = new JButton("NEXT");
2656 question1NextButton.setBackground(new Color(153, 204, 153));
2657 question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2658 question1NextButton.addMouseListener(new MouseAdapter() {
2659     @Override
2660     public void mouseClicked(MouseEvent e) {
2661         if (question1Option3.isSelected()) {
2662             correctAnswers++;
2663
2664             question5Frame.dispose();
2665             //D1Q5();
2666             D1showResults();
2667         }
2668     }
2669 });
2670 public void mouseClicked(MouseEvent e) {
2671     if (question1Group.getSelection() != null) {
2672         if (question1Option3.isSelected()) {
2673             //correctAnswers = 0;
2674             correctAnswers++;
2675             question5Frame.dispose();
2676             //D1Q5();
2677             D1showResults();
2678         } else {
2679             // Prompt the user to select an answer before proceeding
2680             JOptionPane.showMessageDialog(question5Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
2681         }
2682     }
2683 }
2684 question1NextButton.setBounds(305, 564, 86, 29);
2685 question1Panel.add(question1NextButton);
2686
2687
2688 JLabel lblNewLabel_2 = new JLabel("");
2689 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
2690 lblNewLabel_2.setBounds(120, 10, 193, 162);
2691 question1Panel.add(lblNewLabel_2);
2692
2693 JLabel lblNewLabel_3 = new JLabel("");
2694 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
2695 lblNewLabel_3.setBounds(0, 0, 417, 186);
2696 question1Panel.add(lblNewLabel_3);
2697
2698 JLabel lblNewLabel = new JLabel("");
2699 lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (1).png"));
2700 lblNewLabel.setBounds(0, 182, 417, 435);
2701 question1Panel.add(lblNewLabel);
2702
2703

```

```

2704     question5Frame.setVisible(true);
2705   }
2706 
2707   private void D3showResults() {
2708     JFrame resultsFrame = new JFrame("Results");
2709     resultsFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
2710     resultsFrame.setBounds(100, 100, 431, 654);
2711 
2712     JPanel resultsPanel = new JPanel();
2713     resultsFrame.getContentPane(resultsPanel);
2714     resultsPanel.setLayout(null);
2715 
2716     JButton btnNewButton_1 = new JButton("");
2717     btnNewButton_1.addMouseListener(new MouseAdapter() {
2718       @Override
2719       public void mouseClicked(MouseEvent e) {
2720         Terms terms = new Terms();
2721         setVisible(false);
2722         terms.setVisible(true);
2723       }
2724     });
2725     btnNewButton_1.setBackground(new Color(153, 204, 153));
2726     btnNewButton_1.setIcon(new ImageIcon("C:\CIEE Files\BS COMPUTER ENGINEERING\BScPE - 3GF\\2nd Semester\CPE18L Software Design Lab\Untitled (40 * 40 px) (40 * 35).png"));
2727     btnNewButton_1.setBounds(367, 29, 40, 35);
2728     resultsPanel.add(btnNewButton_1);
2729 
2730     double Dlpercent;
2731     Dlpercent = ((double) correctAnswers / 5) * 100;
2732     String formattedPercent = String.format("%.1f", Dlpercent);
2733 
2734     JLabel lblNewLabel_4_1_2 = new JLabel(formattedPercent + "%");
2735     lblNewLabel_4_1_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
2736     lblNewLabel_4_1_2.setBounds(256, 426, 83, 35);
2737     resultsPanel.add(lblNewLabel_4_1_2);
2738 
2739     JLabel lblNewLabel_4_1_1 = new JLabel("5");
2740     lblNewLabel_4_1_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
2741     lblNewLabel_4_1_1.setBounds(256, 376, 57, 35);
2742     resultsPanel.add(lblNewLabel_4_1_1);
2743 
2744     resultsPanel.add(lblNewLabel_4_1_1);
2745 
2746     JLabel lblNewLabel_4_1 = new JLabel(" " + correctAnswers);
2747     lblNewLabel_4_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
2748     lblNewLabel_4_1.setBounds(256, 331, 57, 35);
2749     resultsPanel.add(lblNewLabel_4_1);
2750 
2751     JLabel lblNewLabel_4 = new JLabel("<html>PERCENTAGE:<br>");
2752     lblNewLabel_4.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
2753     lblNewLabel_4.setBounds(28, 426, 305, 35);
2754     resultsPanel.add(lblNewLabel_4);
2755 
2756     JLabel lblNewLabel_1 = new JLabel("<html>SCORE:<br><br>ITEMS:</html>");
2757     lblNewLabel_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
2758     lblNewLabel_1.setVerticalAlignment(SwingConstants.TOP);
2759     lblNewLabel_1.setBounds(28, 331, 241, 85);
2760     resultsPanel.add(lblNewLabel_1);
2761 
2762     JButton btnHome = new JButton("HOME");
2763     btnHome.addMouseListener(new MouseAdapter() {
2764       @Override
2765       public void mouseClicked(MouseEvent e) {
2766         ScreenQuiz ScreenQuiz = new ScreenQuiz();
2767         setVisible(false);
2768         resultsFrame.dispose();
2769         ScreenQuiz.setVisible(true);
2770       }
2771     });
2772     btnHome.setBackground(new Color(255, 255, 255));
2773     btnHome.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2774     btnHome.setBounds(241, 407, 57, 35);
2775     resultsPanel.add(btnHome);
2776 
2777     JButton btnNewButton = new JButton("BACK");
2778     btnNewButton.addMouseListener(new MouseAdapter() {
2779       @Override
2780       public void mouseClicked(MouseEvent e) {
2781         EnglishCAL EnglishCAL = new EnglishCAL ();
2782         setVisible(false);
2783         resultsFrame.dispose();
2784         EnglishCAL.setVisible(true);
2785       }
2786     });
2787   }

```

```

2785         }
2786     );
2787     btnNewButton.setBackground(new Color(255, 255, 255));
2788     btnNewButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2789     btnNewButton.setBounds(120, 487, 97, 38);
2790     resultsPanel.add(btnNewButton);
2791
2792     JLabel lblNewLabel_2 = new JLabel("");
2793     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
2794     lblNewLabel_2.setBounds(120, 10, 193, 162);
2795     resultsPanel.add(lblNewLabel_2);
2796
2797     JLabel lblNewLabel_3 = new JLabel("");
2798     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
2799     lblNewLabel_3.setBounds(0, 0, 417, 186);
2800     resultsPanel.add(lblNewLabel_3);
2801     JLabel lblNewLabel_4 = new JLabel("");
2802     lblNewLabel_4.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 10));
2803     lblNewLabel_4.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Qresult.png"));
2804     lblNewLabel_4.setBounds(0, 182, 417, 435);
2805     resultsPanel.add(lblNewLabel_4);
2806
2807     resultsFrame.setVisible(true);
2808
2809 }
2810 private void D4Q() {
2811     JFrame question1Frame = new JFrame("Question 1");
2812     question1Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
2813     question1Frame.setBounds(100, 100, 431, 654);
2814
2815     JPanel question1Panel = new JPanel();
2816     question1Frame.setContentPane(question1Panel);
2817     question1Panel.setLayout(null);
2818
2819     JButton btnNewButton_1 = new JButton("");
2820     btnNewButton_1.addMouseListener(new MouseAdapter() {
2821         @Override
2822         public void mouseClicked(MouseEvent e) {
2823             Terms terms = new Terms();
2824             setVisible(false);
2825             terms.setVisible(true);
2826         }
2827     });
2828     btnNewButton_1.setBackground(new Color(153, 204, 153));
2829     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (4).png"));
2830     btnNewButton_1.setBounds(367, 29, 40, 35);
2831     question1Panel.add(btnNewButton_1);
2832
2833     JLabel question1Label = new JLabel("<html>The Amazon in Brazil is _____ longest river in _____ South America.");
2834     question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
2835     question1Label.setForeground(new Color(255, 255, 255));
2836     question1Label.setBounds(46, 228, 332, 107);
2837     question1Panel.add(question1Label);
2838
2839     ButtonGroup question1Group = new ButtonGroup();
2840     JRadioButton question1Option1 = new JRadioButton("the / -");
2841     question1Option1.setForeground(Color.WHITE);
2842     question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
2843     question1Option1.setBackground(new Color(0, 0, 0));
2844     question1Option1.setBounds(199, 395, 103, 21);
2845     question1Option1.setOpaque(false);
2846     question1Panel.add(question1Option1);
2847     question1Group.add(question1Option1);
2848
2849     JRadioButton question1Option2 = new JRadioButton("- / the");
2850     question1Option2.setForeground(Color.WHITE);
2851     question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
2852     question1Option2.setBackground(new Color(0, 0, 0));
2853     question1Option2.setBounds(199, 362, 103, 21);
2854     question1Option2.setOpaque(false);
2855     question1Panel.add(question1Option2);
2856     question1Group.add(question1Option2);
2857
2858     JRadioButton question1Option3 = new JRadioButton("the / the");
2859     question1Option3.setForeground(Color.WHITE);
2860     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
2861     question1Option3.setBackground(new Color(0, 0, 0));
2862     question1Option3.setBounds(46, 394, 103, 21);
2863     question1Option3.setOpaque(false);
2864     question1Panel.add(question1Option3);
2865     question1Group.add(question1Option3);
2866

```

```

2867     JRadioButton question1Option4 = new JRadioButton("a / the");
2868     question1Option4.setForeground(new Color(255, 255, 255));
2869     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
2870     question1Option4.setBackground(new Color(0, 0, 0, 0));
2871     question1Option4.setBounds(46, 361, 103, 21);
2872     question1Option4.setOpaque(false);
2873     question1Panel.add(question1Option4);
2874     question1Group.add(question1Option4);
2875
2876     JButton question1btnBack = new JButton("BACK");
2877     question1btnBack.addMouseListener(new MouseAdapter() {
2878         @Override
2879         public void mouseClicked(MouseEvent e) {
2880             EnglishCAL EnglishCAL = new EnglishCAL ();
2881             setVisible(false);
2882             question1Frame.dispose();
2883             EnglishCAL.setVisible(true);
2884         }
2885     });
2886     question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2887     question1btnBack.setBackground(new Color(153, 204, 153));
2888     question1btnBack.setBounds(26, 564, 86, 29);
2889     question1Panel.add(question1btnBack);
2890
2891     JButton question1NextButton = new JButton("NEXT");
2892     question1NextButton.setBackground(new Color(153, 204, 153));
2893     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2894     question1NextButton.addMouseListener(new MouseAdapter() {
2895         @Override
2896         public void mouseClicked(MouseEvent e) {
2897             if (question1Group.getSelection() != null) {
2898                 if (question1Option1.isSelected()) {
2899                     correctAnswers = 0;
2900                     correctAnswers++;
2901                 }
2902                 question1Frame.dispose();
2903                 D4Q2();
2904             } else {
2905                 // Prompt the user to select an answer before proceeding
2906                 JOptionPane.showMessageDialog(question1Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
2907             }
2908         }
2909     });
2910     question1NextButton.setBounds(305, 564, 86, 29);
2911     question1Panel.add(question1NextButton);
2912
2913
2914
2915     JLabel lblNewLabel_2 = new JLabel("");
2916     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
2917     lblNewLabel_2.setBounds(120, 10, 193, 162);
2918     question1Panel.add(lblNewLabel_2);
2919
2920     JLabel lblNewLabel_3 = new JLabel("");
2921     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
2922     lblNewLabel_3.setBounds(0, 417, 186);
2923     question1Panel.add(lblNewLabel_3);
2924
2925     JLabel lblNewLabel = new JLabel("");
2926     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (1).png"));
2927     lblNewLabel.setBounds(0, 182, 417, 435);
2928     question1Panel.add(lblNewLabel);
2929
2930     question1Frame.setVisible(true);
2931
2932 }
2933
2934 private void D4Q2() {
2935     JFrame question2Frame = new JFrame("Question 2");
2936     question2Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
2937     question2Frame.setBounds(100, 100, 431, 654);
2938
2939     JPanel question1Panel = new JPanel();
2940     question2Frame.setContentPane(question1Panel);
2941     question1Panel.setLayout(null);
2942
2943     JButton btnNewButton_1 = new JButton("");
2944     btnNewButton_1.addMouseListener(new MouseAdapter() {
2945         @Override
2946         public void mouseClicked(MouseEvent e) {
2947             Terms terms = new Terms();
2948             terms.setVisible(false);
2949             terms.setVisible(true);

```

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2949         }
2950     });
2951     btnNewButton_1.setBackground(new Color(153, 204, 153));
2952     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\\\2nd Semester\\\\CPE18L Software Design Lab\\\\Untitled (40 * 40 px) (40 * 40 px).png"));
2953     btnNewButton_1.setBounds(367, 28, 40, 35);
2954     question1Panel.add(btnNewButton_1);
2955 
2956     JLabel question1Label = new JLabel("<html>Last summer we went on ____ cruise in the Caribbean. Among ____ Islands we visited were Bermuda and the Bahamas.</html>");
2957     question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
2958     question1Label.setForeground(new Color(255, 255, 255));
2959     question1Label.setBounds (46, 228, 332, 107);
2960     question1Panel.add(question1Label);
2961 
2962     ButtonGroup question1Group = new ButtonGroup();
2963     JRadioButton question1Option1 = new JRadioButton("a / the");
2964     question1Option1.setForeground(Color.WHITE);
2965     question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
2966     question1Option1.setBackground(new Color(0, 0, 0));
2967     question1Option1.setBounds(199, 395, 103, 21);
2968     question1Option1.setOpaque(false);
2969     question1Panel.add(question1Option1);
2970     question1Group.add(question1Option1);
2971 
2972     JRadioButton question1Option2 = new JRadioButton("a / the");
2973     question1Option2.setForeground(new Font("Tahoma", Font.PLAIN, 13));
2974     question1Option2.setBackground(new Color(0, 0, 0));
2975     question1Option2.setBounds(199, 362, 103, 21);
2976     question1Option2.setOpaque(false);
2977     question1Panel.add(question1Option2);
2978     question1Group.add(question1Option2);
2979 
2980     JRadioButton question1Option3 = new JRadioButton("the / -");
2981     question1Option3.setForeground(Color.WHITE);
2982     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
2983     question1Option3.setBackground(new Color(0, 0, 0));
2984     question1Option3.setBounds(46, 394, 103, 21);
2985     question1Option3.setOpaque(false);
2986     question1Panel.add(question1Option3);
2987     question1Group.add(question1Option3);
2988 
2989 
2990     JButton question1Option4 = new JRadioButton("- / -");
2991     question1Option4.setForeground(new Color(255, 255, 255));
2992     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
2993     question1Option4.setBackground(new Color(0, 0, 0));
2994     question1Option4.setBounds(46, 361, 103, 21);
2995     question1Option4.setOpaque(false);
2996     question1Panel.add(question1Option4);
2997     question1Group.add(question1Option4);
2998 
2999     JButton question1btnBack = new JButton("BACK");
3000     question1btnBack.addMouseListener(new MouseAdapter() {
3001         @Override
3002         public void mouseClicked(MouseEvent e) {
3003             question2Frame.dispose();
3004             D4Q1();
3005         }
3006     });
3007     question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3008     question1btnBack.setBackground(new Color(153, 204, 153));
3009     question1btnBack.setBounds(26, 564, 86, 29);
3010     question1Panel.add(question1btnBack);
3011 
3012     JButton question1NextButton = new JButton("NEXT");
3013     question1NextButton.setBackground(new Color(153, 204, 153));
3014     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3015     question1NextButton.addMouseListener(new MouseAdapter() {
3016         @Override
3017         public void mouseClicked(MouseEvent e) {
3018             if (question1Option2.isSelected()) {
3019                 correctAnswers++;
3020             }
3021             question2Frame.dispose();
3022             D1Q3();
3023         }
3024     });
3025     public void mouseClicked(MouseEvent e) {
3026         if (question1Group.getSelection() != null) {
3027             if (question1Option2.isSelected()) {
3028                 //correctAnswers = 0;
3029                 correctAnswers++;
3030             }
3031         }
3032     }

```

```

3031     question2Frame.dispose();
3032     D4Q3();
3033     } else {
3034         // Prompt the user to select an answer before proceeding
3035         JOptionPane.showMessageDialog(question2Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
3036     }
3037 }
3038 });
3039 question1NextButton.setBounds(305, 564, 86, 29);
3040 question1Panel.add(question1NextButton);
3041
3042
3043
3044 JLabel lblNewLabel_2 = new JLabel("");
3045 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
3046 lblNewLabel_2.setBounds(120, 10, 193, 162);
3047 question1Panel.add(lblNewLabel_2);
3048
3049 JLabel lblNewLabel_3 = new JLabel("");
3050 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
3051 lblNewLabel_3.setBounds(0, 417, 186);
3052 question1Panel.add(lblNewLabel_3);
3053
3054 JLabel lblNewLabel = new JLabel("");
3055 lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
3056 lblNewLabel.setBounds(0, 182, 417, 435);
3057 question1Panel.add(lblNewLabel);
3058
3059 question2Frame.setVisible(true);
3060
3061 }
3062● private void D4Q3() {
3063     JFrame question3Frame = new JFrame("Question 3");
3064     question3Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
3065     question3Frame.setBounds(100, 100, 431, 654);
3066
3067     JPanel question1Panel = new JPanel();
3068     question3Frame.setContentPane(question1Panel);
3069     question1Panel.setLayout(null);
3070
3071     JButton btnNewButton_1 = new JButton("");
3072
3073●     btnNewButton_1.addMouseListener(new MouseAdapter() {
3074         @Override
3075         public void mouseClicked(MouseEvent e) {
3076             Terms terms = new Terms();
3077             setVisible(false);
3078             terms.setVisible(true);
3079         }
3080     });
3081     btnNewButton_1.setBackground(new Color(153, 204, 153));
3082     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40 px).png"));
3083     btnNewButton_1.setBounds(367, 29, 40, 35);
3084     question1Panel.add(btnNewButton_1);
3085
3086     JLabel question1Label = new JLabel("<html>_____ teachers prefer a class that is fairly consistent in having pupils of the same level.</html>");
3087     question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
3088     question1Label.setForeground(new Color(255, 255, 255));
3089     question1Label.setBounds(46, 228, 332, 107);
3090     question1Panel.add(question1Label);
3091
3092     ButtonGroup question1Group = new ButtonGroup();
3093     JRadioButton question1Option1 = new JRadioButton("Each");
3094     question1Option1.setForeground(Color.WHITE);
3095     question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
3096     question1Option1.setBackground(new Color(0, 0, 0, 0));
3097     question1Option1.setBounds(199, 395, 103, 21);
3098     question1Option1.setOpaque(false);
3099     question1Panel.add(question1Option1);
3100     question1Group.add(question1Option1);
3101
3102     JRadioButton question1Option2 = new JRadioButton("Every");
3103     question1Option2.setForeground(Color.WHITE);
3104     question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
3105     question1Option2.setBackground(new Color(0, 0, 0, 0));
3106     question1Option2.setBounds(199, 362, 103, 21);
3107     question1Option2.setOpaque(false);
3108     question1Panel.add(question1Option2);
3109     question1Group.add(question1Option2);
3110
3111     JRadioButton question1Option3 = new JRadioButton("Neither");
3112     question1Option3.setForeground(Color.WHITE);
3113     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));

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3113     question1Option3.setBackground(new Color(0, 0, 0, 0));
3114     question1Option3.setBounds(46, 394, 103, 21);
3115     question1Option3.setOpaque(false);
3116     question1Panel.add(question1Option3);
3117     question1Group.add(question1Option3);
3118
3119     JRadioButton question1Option4 = new JRadioButton("Most");
3120     question1Option4.setForeground(new Color(255, 255, 255));
3121     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
3122     question1Option4.setBackground(new Color(0, 0, 0, 0));
3123     question1Option4.setBounds(46, 361, 103, 21);
3124     question1Option4.setOpaque(true);
3125     question1Panel.add(question1Option4);
3126     question1Group.add(question1Option4);
3127
3128     JButton question1BtnBack = new JButton("BACK");
3129     question1BtnBack.addMouseListener(new MouseAdapter() {
3130         @Override
3131         public void mouseClicked(MouseEvent e) {
3132             question3Frame.dispose();
3133             D4Q2();
3134         }
3135     });
3136     question1BtnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3137     question1BtnBack.setBackground(new Color(153, 204, 153));
3138     question1BtnBack.setBounds(26, 564, 86, 29);
3139     question1Panel.add(question1BtnBack);
3140
3141     JButton question1NextButton = new JButton("NEXT");
3142     question1NextButton.setBackground(new Color(153, 204, 153));
3143     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3144     question1NextButton.addMouseListener(new MouseAdapter() {
3145         @Override
3146         public void mouseClicked(MouseEvent e) {
3147             if (question1Option4.isSelected()) {
3148                 correctAnswers++;
3149             }
3150             question3Frame.dispose();
3151             D1Q4();
3152             //ShowResults();
3153         }
3154     });
3155     question1NextButton.setBounds(305, 564, 86, 29);
3156     question1Panel.add(question1NextButton);
3157
3158     JLabel lblNewLabel_2 = new JLabel("");
3159     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
3160     lblNewLabel_2.setBounds(120, 10, 193, 162);
3161     question1Panel.add(lblNewLabel_2);
3162
3163     JLabel lblNewLabel_3 = new JLabel("");
3164     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
3165     lblNewLabel_3.setBounds(0, 0, 417, 186);
3166     question1Panel.add(lblNewLabel_3);
3167
3168     JLabel lblNewLabel = new JLabel("");
3169     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (1).png"));
3170     lblNewLabel.setBounds(0, 182, 417, 435);
3171     question1Panel.add(lblNewLabel);
3172
3173     question3Frame.setVisible(true);
3174 }
3175
3176 private void D4Q4() {
3177     JFrame question4Frame = new JFrame("Question 4");

```

```

3195     question4Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
3196     question4Frame.setBounds(100, 100, 431, 654);
3197 
3198     JPanel question1Panel = new JPanel();
3199     question4Frame.getContentPane().add(question1Panel);
3200     question1Panel.setLayout(null);
3201 
3202     JButton btnNewButton_1 = new JButton("");
3203     btnNewButton_1.addMouseListener(new MouseAdapter() {
3204         @Override
3205         public void mouseClicked(MouseEvent e) {
3206             Terms terms = new Terms();
3207             setVisible(false);
3208             terms.setVisible(true);
3209         }
3210     });
3211     btnNewButton_1.setBackground(new Color(153, 204, 153));
3212     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScPE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Untitled (40 x 40 px). (40 x 40 px).png"));
3213     btnNewButton_1.setBounds(367, 29, 40, 35);
3214     question1Panel.add(btnNewButton_1);
3215 
3216     JLabel question1Label = new JLabel("<html><b>_____ of what he said was very sensible.</b></html>");
3217     question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
3218     question1Label.setForeground(new Color(255, 255, 255));
3219     question1Label.setBounds(46, 228, 332, 107);
3220     question1Panel.add(question1Label);
3221 
3222     ButtonGroup question1Group = new ButtonGroup();
3223     JRadioButton question1Option1 = new JRadioButton("Many");
3224     question1Option1.setForeground(Color.WHITE);
3225     question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
3226     question1Option1.setBackground(new Color(0, 0, 0));
3227     question1Option1.setBounds(169, 395, 103, 21);
3228     question1Option1.setOpaque(false);
3229     question1Panel.add(question1Option1);
3230     question1Group.add(question1Option1);
3231 
3232     JRadioButton question1Option2 = new JRadioButton("Much");
3233     question1Option2.setForeground(Color.WHITE);
3234     question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
3235     question1Option2.setBackground(new Color(0, 0, 0));
3236 
3237     question1Option2.setBounds(159, 362, 103, 21);
3238     question1Option2.setOpaque(false);
3239     question1Panel.add(question1Option2);
3240     question1Group.add(question1Option2);
3241 
3242     JRadioButton question1Option3 = new JRadioButton("Few");
3243     question1Option3.setForeground(Color.WHITE);
3244     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
3245     question1Option3.setBackground(new Color(0, 0, 0));
3246     question1Option3.setBounds(46, 394, 103, 21);
3247     question1Option3.setOpaque(false);
3248     question1Panel.add(question1Option3);
3249     question1Group.add(question1Option3);
3250 
3251     JRadioButton question1Option4 = new JRadioButton("A few");
3252     question1Option4.setForeground(new Color(255, 255, 255));
3253     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
3254     question1Option4.setBackground(new Color(0, 0, 0));
3255     question1Option4.setBounds(46, 361, 103, 21);
3256     question1Option4.setOpaque(false);
3257     question1Panel.add(question1Option4);
3258     question1Group.add(question1Option4);
3259 
3260     JButton question1BtnBack = new JButton("BACK");
3261     question1BtnBack.addMouseListener(new MouseAdapter() {
3262         @Override
3263         public void mouseClicked(MouseEvent e) {
3264             question4Frame.dispose();
3265             D4Q3();
3266         }
3267     });
3268     question1BtnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3269     question1BtnBack.setBackground(new Color(153, 204, 153));
3270     question1BtnBack.setBounds(26, 564, 86, 29);
3271     question1Panel.add(question1BtnBack);
3272 
3273     JButton question1NextButton = new JButton("NEXT");
3274     question1NextButton.setBackground(new Color(153, 204, 153));
3275     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3276     question1NextButton.addMouseListener(new MouseAdapter() {
3277         /* @Override

```

```

3277     public void mouseClicked(MouseEvent e) {
3278         if (question1Option2.isSelected()) {
3279             correctAnswers++;
3280         }
3281         question4Frame.dispose();
3282         D4QS();
3283         //showResults();
3284     }
3285 }
3286 ● public void mouseClicked(MouseEvent e) {
3287     if (question1Group.getSelection() != null) {
3288         if (!question1Option2.isSelected()) {
3289             //correctAnswers = 0;
3290             correctAnswers++;
3291         }
3292         question4Frame.dispose();
3293         D4QS();
3294     } else {
3295         // Prompt the user to select an answer before proceeding
3296         JOptionPane.showMessageDialog(question4Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
3297     }
3298 }
3299 );
3300 question1NextButton.setBounds(305, 564, 86, 29);
3301 question1Panel.add(question1NextButton);
3302
3303
3304
3305 JLabel lblNewLabel_2 = new JLabel("");
3306 lblNewLabel_2.setIcon(new ImageIcon("D:\\CFE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
3307 lblNewLabel_2.setBounds(120, 10, 193, 162);
3308 question1Panel.add(lblNewLabel_2);
3309
3310 JLabel lblNewLabel_3 = new JLabel("");
3311 lblNewLabel_3.setIcon(new ImageIcon("D:\\CFE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
3312 lblNewLabel_3.setBounds(0, 0, 417, 166);
3313 question1Panel.add(lblNewLabel_3);
3314
3315 JLabel lblNewLabel = new JLabel("");
3316 lblNewLabel.setIcon(new ImageIcon("D:\\CFE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
3317 lblNewLabel.setBounds(0, 182, 417, 435);
3318
3319
3320
3321
3322
3323
3324
3325 ● private void D4QS() {
3326     JFrame question5Frame = new JFrame("Question 5");
3327     question5Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
3328     question5Frame.setBounds(100, 100, 431, 654);
3329
3330     JPanel question1Panel = new JPanel();
3331     question5Frame.setContentPane(question1Panel);
3332     question1Panel.setLayout(null);
3333
3334     JButton btnNewButton_1 = new JButton("");
3335     btnNewButton_1.addMouseListener(new MouseAdapter() {
3336         @Override
3337         public void mouseClicked(MouseEvent e) {
3338             Terms terms = new Terms();
3339             setVisible(false);
3340             terms.setVisible(true);
3341         }
3342     });
3343     btnNewButton_1.setBackground(new Color(153, 204, 153));
3344     btnNewButton_1.setIcon(new ImageIcon("D:\\CFE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40 px).png"));
3345     btnNewButton_1.setBounds(367, 29, 40, 35);
3346     question1Panel.add(btnNewButton_1);
3347
3348     JLabel question1Label = new JLabel("<html>Some people believe vaccines overload our immune system, making it less able to react to other diseases ____ meningitis or AI");
3349     question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
3350     question1Label.setForeground(new Color(255, 255, 255));
3351     question1Label.setBounds(46, 228, 332, 107);
3352     question1Panel.add(question1Label);
3353
3354     ButtonGroup question1Group = new ButtonGroup();
3355     JRadioButton question1Option1 = new JRadioButton("but for");
3356     question1Option1.setForeground(Color.WHITE);
3357     question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
3358     question1Option1.setBackground(new Color(0, 0, 0));

```

```

1357     question1Option1.setBackground(new Color(0, 0, 0));
1358     question1Option1.setBounds(199, 385, 103, 21);
1359     question1Option1.setOpaque(false);
1360     question1Panel.add(question1Option1);
1361     question1Group.add(question1Option1);
1362
1363     JRadioButton question1Option2 = new JRadioButton("lest");
1364     question1Option2.setForeground(Color.WHITE);
1365     question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
1366     question1Option2.setBackground(new Color(0, 0, 0));
1367     question1Option2.setBounds(199, 362, 103, 21);
1368     question1Option2.setOpaque(false);
1369     question1Panel.add(question1Option2);
1370     question1Group.add(question1Option2);
1371
1372     JRadioButton question1Option3 = new JRadioButton("such as");
1373     question1Option3.setForeground(Color.WHITE);
1374     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
1375     question1Option3.setBackground(new Color(0, 0, 0));
1376     question1Option3.setBounds(46, 394, 103, 21);
1377     question1Option3.setOpaque(false);
1378     question1Panel.add(question1Option3);
1379     question1Group.add(question1Option3);
1380
1381     JRadioButton question1Option4 = new JRadioButton("and");
1382     question1Option4.setForeground(new Color(255, 255, 255));
1383     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
1384     question1Option4.setBackground(new Color(0, 0, 0));
1385     question1Option4.setBounds(46, 361, 103, 21);
1386     question1Option4.setOpaque(false);
1387     question1Panel.add(question1Option4);
1388     question1Group.add(question1Option4);
1389
1390     JButton question1BtnBack = new JButton("BACK");
1391     question1BtnBack.addMouseListener(new MouseAdapter() {
1392         @Override
1393         public void mouseClicked(MouseEvent e) {
1394             question5Frame.dispose();
1395             D4Q4();
1396         }
1397     });
1398
1399     question1BtnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1400     question1BtnBack.setBackground(new Color(153, 204, 153));
1401     question1BtnBack.setBounds(26, 564, 86, 29);
1402     question1Panel.add(question1BtnBack);
1403
1404     JButton question1NextButton = new JButton("NEXT");
1405     question1NextButton.setBackground(new Color(153, 204, 153));
1406     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
1407     question1NextButton.addMouseListener(new MouseAdapter() {
1408         @Override
1409         public void mouseClicked(MouseEvent e) {
1410             if (question1Option3.isSelected()) {
1411                 correctAnswers++;
1412             }
1413             question5Frame.dispose();
1414             //D1Q5();
1415             D1showResults();
1416         }
1417     });
1418     public void mouseClicked(MouseEvent e) {
1419         if (question1Group.getSelection() != null) {
1420             if (question1Option3.isSelected()) {
1421                 //correctAnswers++;
1422                 correctAnswers++;
1423             }
1424             question5Frame.dispose();
1425             //D1Q5();
1426             D1showResults();
1427         } else {
1428             // Prompt the user to select an answer before proceeding
1429             JOptionPane.showMessageDialog(question5Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
1430         }
1431     };
1432     question1NextButton.setBounds(305, 564, 86, 29);
1433     question1Panel.add(question1NextButton);
1434
1435
1436
1437     JLabel lblNewLabel_2 = new JLabel("");
1438     lblNewLabel_2.setIcon(new ImageIcon("D:\\CFE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CFE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4)."));

```

```

3439     lblNewLabel_2.setBounds(120, 10, 193, 162);
3440     question1Panel.add(lblNewLabel_2);
3441
3442     JLabel lblNewLabel_3 = new JLabel("");
3443     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
3444     lblNewLabel_3.setBounds(0, 0, 417, 186);
3445     question1Panel.add(lblNewLabel_3);
3446
3447     JLabel lblNewLabel = new JLabel("");
3448     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Untitled (417 x 435 px) (1).png"));
3449     lblNewLabel.setBounds(0, 182, 417, 435);
3450     question1Panel.add(lblNewLabel);
3451
3452     question5Frame.setVisible(true);
3453 }
3454
3455
3456● private void D4showResults() {
3457     JFrame resultsFrame = new JFrame("Results");
3458     resultsFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
3459     resultsFrame.setBounds(100, 100, 431, 654);
3460
3461     JPanel resultsPanel = new JPanel();
3462     resultsFrame.getContentPane(resultsPanel);
3463     resultsPanel.setLayout(null);
3464
3465
3466     JButton btnNewButton_1 = new JButton("");
3467     btnNewButton_1.addMouseListener(new MouseAdapter() {
3468         @Override
3469         public void mouseClicked(MouseEvent e) {
3470             Terms terms = new Terms();
3471             setVisible(false);
3472             terms.setVisible(true);
3473         }
3474     });
3475     btnNewButton_1.setBackground(new Color(153, 204, 153));
3476     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Untitled (40 x 40 px) (40 x 40 px).png"));
3477     btnNewButton_1.setBounds(167, 29, 40, 35);
3478     resultsPanel.add(btnNewButton_1);
3479
3480
3481     double D1percent;
3482     D1percent = ((double) correctAnswers / 5) * 100;
3483     String formattedPercent = String.format("%.1f", D1percent);
3484
3485     JLabel lblNewLabel_4_1_2 = new JLabel(formattedPercent + "%");
3486     lblNewLabel_4_1_2.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
3487     lblNewLabel_4_1_2.setBounds(256, 426, 83, 35);
3488     resultsPanel.add(lblNewLabel_4_1_2);
3489
3490     JLabel lblNewLabel_4_1_1 = new JLabel("5%");
3491     lblNewLabel_4_1_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
3492     lblNewLabel_4_1_1.setBounds(256, 376, 57, 35);
3493     resultsPanel.add(lblNewLabel_4_1_1);
3494
3495     JLabel lblNewLabel_4_1 = new JLabel(" " + correctAnswers);
3496     lblNewLabel_4_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
3497     lblNewLabel_4_1.setBounds(256, 331, 57, 35);
3498     resultsPanel.add(lblNewLabel_4_1);
3499
3500     JLabel lblNewLabel_4 = new JLabel("<html>PERCENTAGE:</html>");
3501     lblNewLabel_4.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
3502     lblNewLabel_4.setBounds(26, 426, 305, 35);
3503     resultsPanel.add(lblNewLabel_4);
3504
3505     JLabel lblNewLabel_1 = new JLabel("<html>SCORE:<br><br>ITEMS:</html>");
3506     lblNewLabel_1.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 20));
3507     lblNewLabel_1.setVerticalAlignment(SwingConstants.TOP);
3508     lblNewLabel_1.setBounds(26, 331, 241, 85);
3509     resultsPanel.add(lblNewLabel_1);
3510
3511     JButton btnHome = new JButton("HOME");
3512     btnHome.addMouseListener(new MouseAdapter() {
3513         @Override
3514         public void mouseClicked(MouseEvent e) {
3515             ScreenQuiz ScreenQuiz = new ScreenQuiz();
3516             setVisible(false);
3517             resultsFrame.dispose();
3518             ScreenQuiz.setVisible(true);
3519         }
3520     });
3520     btnHome.setBackground(new Color(255, 255, 255));

```

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3521     btnHome.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3522     btnHome.setBounds(45, 407, 97, 35);
3523     resultsPanel.add(btnHome);
3524
3525     JButton btnNewButton = new JButton("BACK");
3526     btnNewButton.addMouseListener(new MouseAdapter() {
3527         @Override
3528         public void mouseClicked(MouseEvent e) {
3529             EnglishCAL EnglishCAL = new EnglishCAL ();
3530             setVisible(false);
3531             resultsFrame.dispose();
3532             EnglishCAL.setVisible(true);
3533         }
3534     });
3535     btnNewButton.setBackground(new Color(255, 255, 255));
3536     btnNewButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3537     btnNewButton.setBounds(28, 487, 97, 35);
3538     resultsPanel.add(btnNewButton);
3539
3540     JLabel lblNewLabel_2 = new JLabel("");
3541     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
3542     lblNewLabel_2.setBounds(120, 10, 193, 162);
3543     resultsPanel.add(lblNewLabel_2);
3544
3545     JLabel lblNewLabel_3 = new JLabel("");
3546     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Bg for logo.png"));
3547     lblNewLabel_3.setBounds(10, 417, 186);
3548     resultsPanel.add(lblNewLabel_3);
3549
3550     JLabel lblNewLabel = new JLabel("");
3551     lblNewLabel.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 10));
3552     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Qresult.png"));
3553     lblNewLabel.setBounds(0, 132, 417, 435);
3554     resultsPanel.add(lblNewLabel);
3555
3556     resultsFrame.setVisible(true);
3557
3558     private void DSQL() {
3559         JFrame questionFrame = new JFrame("Question 1");
3560         questionFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
3561         questionFrame.setBounds(100, 100, 431, 654);
3562
3563         JPanel questionPanel = new JPanel();
3564         questionFrame.setContentPane(questionPanel);
3565         questionPanel.setLayout(null);
3566
3567         JButton btnNewButton_1 = new JButton("");
3568         btnNewButton_1.addMouseListener(new MouseAdapter() {
3569             @Override
3570             public void mouseClicked(MouseEvent e) {
3571                 Terms terms = new Terms();
3572                 setVisible(false);
3573                 terms.setVisible(true);
3574             }
3575         });
3576         btnNewButton_1.setBackground(new Color(153, 204, 153));
3577         btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40).png"));
3578         btnNewButton_1.setBounds(367, 29, 40, 35);
3579         questionPanel.add(btnNewButton_1);
3580
3581         JLabel questionLabel = new JLabel("<html>The Amazon in Brazil is ____ longest river in ____ South America.");
3582         questionLabel.setFont(new Font("Tahoma", Font.PLAIN, 13));
3583         questionLabel.setForeground(new Color(255, 255, 255));
3584         questionLabel.setBounds (46, 228, 332, 107);
3585         questionPanel.add(questionLabel);
3586
3587         ButtonGroup questionGroup = new ButtonGroup();
3588         RadioButton questionOption1 = new RadioButton("the / -");
3589         questionOption1.setForeground(Color.WHITE);
3590         questionOption1.setFont(new Font("Tahoma", Font.PLAIN, 13));
3591         questionOption1.setBackground(new Color(0, 0, 0, 0));
3592         questionOption1.setBounds(199, 395, 103, 21);
3593         questionOption1.setOpaque(false);
3594         questionPanel.add(questionOption1);
3595         questionGroup.add(questionOption1);
3596
3597         RadioButton questionOption2 = new RadioButton("- / the");
3598         questionOption2.setForeground(Color.WHITE);
3599         questionOption2.setFont(new Font("Tahoma", Font.PLAIN, 13));
3600         questionOption2.setBackground(new Color(0, 0, 0, 0));
3601         questionOption2.setBounds(199, 362, 103, 21);

```

```

3602     question1Option2.setOpaque(false);
3603     question1Panel.add(question1Option2);
3604     question1Group.add(question1Option2);
3605
3606     JRadioButton question1Option3 = new JRadioButton("the / the");
3607     question1Option3.setForeground(Color.WHITE);
3608     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
3609     question1Option3.setBackground(Color(0, 0, 0));
3610     question1Option3.setBounds(46, 384, 103, 21);
3611     question1Option3.setOpaque(false);
3612     question1Panel.add(question1Option3);
3613     question1Group.add(question1Option3);
3614
3615     JRadioButton question1Option4 = new JRadioButton("a / the");
3616     question1Option4.setForeground(new Color(255, 255, 255));
3617     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
3618     question1Option4.setBackground(new Color(0, 0, 0));
3619     question1Option4.setBounds(46, 384, 103, 21);
3620     question1Option4.setOpaque(false);
3621     question1Panel.add(question1Option4);
3622     question1Group.add(question1Option4);
3623
3624     JButton question1btnBack = new JButton("BACK");
3625     question1btnBack.addMouseListener(new MouseAdapter() {
3626         @Override
3627         public void mouseClicked(MouseEvent e) {
3628             EnglishCAL EnglishCAL = new EnglishCAL ();
3629             setVisible(false);
3630             question1Frame.dispose();
3631             EnglishCAL.setVisible(true);
3632         }
3633     });
3634     question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3635     question1btnBack.setBackground(new Color(153, 204, 153));
3636     question1btnBack.setBounds(26, 564, 86, 29);
3637     question1Panel.add(question1btnBack);
3638
3639     JButton question1NextButton = new JButton("NEXT");
3640     question1NextButton.setBackground(new Color(153, 204, 153));
3641     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3642     question1NextButton.addMouseListener(new MouseAdapter() {
3643
3644         resultsPanel1.add(lblNewLabel_2);
3645
3646         JLabel lblNewLabel_3 = new JLabel("");
3647         lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
3648         lblNewLabel_3.setBounds(0, 0, 417, 186);
3649         resultsPanel1.add(lblNewLabel_3);
3650         JLabel lblNewLabel = new JLabel("");
3651         lblNewLabel.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 10));
3652         lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Qresult.png"));
3653         lblNewLabel.setBounds(0, 182, 417, 435);
3654         resultsPanel1.add(lblNewLabel);
3655
3656         resultsFrame.setVisible(true);
3657
3658     }
3659     private void D5q() {
3660         JFrame question1Frame = new JFrame("Question 1");
3661         question1Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
3662         question1Frame.setBounds(100, 100, 431, 654);
3663
3664         JPanel question1Panel = new JPanel();
3665         question1Frame.setContentPane(question1Panel);
3666         question1Panel.setLayout(null);
3667
3668         JButton btnNewButton_1 = new JButton("");
3669         btnNewButton_1.addMouseListener(new MouseAdapter() {
3670             @Override
3671             public void mouseClicked(MouseEvent e) {
3672                 terms terms = new Terms();
3673                 setVisible(false);
3674                 terms.setVisible(true);
3675             }
3676         });
3677         btnNewButton_1.setBackground(new Color(153, 204, 153));
3678         btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40 x 40 px).png"));
3679         btnNewButton_1.setBounds(367, 29, 40, 35);
3680         question1Panel.add(btnNewButton_1);
3681
3682         JLabel question1Label = new JLabel("<html>The Amazon in Brazil is ____ longest river in ____ South America.");
3683         question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
3684         question1Label.setForeground(new Color(255, 255, 255));

```

```

3584 questionLabel.setBounds(46, 228, 332, 107);
3585 questionPanel.add(questionLabel);
3586
3587 JButton questionlbtnBack = new JButton("BACK");
3588 JRadioButton questionlOption1 = new JRadioButton("the / -");
3589 questionlOption1.setForeground(Color.WHITE);
3590 questionlOption1.setFont(new Font("Tahoma", Font.PLAIN, 13));
3591 questionlOption1.setBackground(new Color(0, 0, 0, 0));
3592 questionlOption1.setBounds(199, 395, 103, 21);
3593 questionlOption1.setOpaque(false);
3594 questionlPanel.add(questionlOption1);
3595 questionlgroup.add(questionlOption1);
3596
3597 JRadioButton questionlOption2 = new JRadioButton("- / the");
3598 questionlOption2.setForeground(Color.WHITE);
3599 questionlOption2.setFont(new Font("Tahoma", Font.PLAIN, 13));
3600 questionlOption2.setBackground(new Color(0, 0, 0, 0));
3601 questionlOption2.setBounds(199, 362, 103, 21);
3602 questionlOption2.setOpaque(false);
3603 questionlPanel.add(questionlOption2);
3604 questionlgroup.add(questionlOption2);
3605
3606 JRadioButton questionlOption3 = new JRadioButton("the / the");
3607 questionlOption3.setForeground(Color.WHITE);
3608 questionlOption3.setFont(new Font("Tahoma", Font.PLAIN, 13));
3609 questionlOption3.setBackground(new Color(0, 0, 0, 0));
3610 questionlOption3.setBounds(46, 394, 103, 21);
3611 questionlOption3.setOpaque(false);
3612 questionlPanel.add(questionlOption3);
3613 questionlgroup.add(questionlOption3);
3614
3615 JRadioButton questionlOption4 = new JRadioButton("a / the");
3616 questionlOption4.setForeground(new Color(255, 255, 255));
3617 questionlOption4.setFont(new Font("Tahoma", Font.PLAIN, 13));
3618 questionlOption4.setBackground(new Color(0, 0, 0, 0));
3619 questionlOption4.setBounds(46, 361, 103, 21);
3620 questionlOption4.setOpaque(false);
3621 questionlPanel.add(questionlOption4);
3622 questionlgroup.add(questionlOption4);
3623
3624 JButton questionlbtnBack = new JButton("BACK");
3625
3626 questionlbtnBack.addMouseListener(new MouseAdapter() {
3627     @Override
3628     public void mouseClicked(MouseEvent e) {
3629         EnglishCAL EnglishCAL = new EnglishCAL ();
3630         setVisible(false);
3631         questionlframe.dispose();
3632         EnglishCAL.setVisible(true);
3633     }
3634 });
3635 questionlbtnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3636 questionlbtnBack.setBackground(new Color(153, 204, 153));
3637 questionlbtnBack.setBounds(26, 564, 36, 29);
3638 questionlPanel.add(questionlbtnBack);
3639
3640 JButton questionlNextButton = new JButton("NEXT");
3641 questionlNextButton.setBackground(new Color(153, 204, 153));
3642 questionlNextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3643 questionlNextButton.addMouseListener(new MouseAdapter() {
3644     @Override
3645     public void mouseClicked(MouseEvent e) {
3646         if (questionlgroup.getSelection() != null) {
3647             if (questionlOption1.isSelected()) {
3648                 correctAnswers = 0;
3649                 correctAnswers++;
3650             }
3651             questionlframe.dispose();
3652             D5Q2();
3653         } else {
3654             // Prompt the user to select an answer before proceeding
3655             JOptionPane.showMessageDialog(questionlframe, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
3656         }
3657     }
3658 });
3659 questionlNextButton.setBounds(305, 564, 86, 29);
3660 questionlPanel.add(questionlNextButton);
3661
3662
3663 JLabel lblNewLabel_2 = new JLabel("");
3664 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
3665 lblNewLabel_2.setBounds(125, 10, 193, 162);

```

```

3666     question1Panel.add(lblNewLabel_2);
3667
3668     JLabel lblNewLabel_3 = new JLabel("");
3669     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
3670     lblNewLabel_3.setBounds(0, 0, 417, 186);
3671     question1Panel.add(lblNewLabel_3);
3672
3673     JLabel lblNewLabel = new JLabel("");
3674     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Untitled (1).png"));
3675     lblNewLabel.setBounds(0, 182, 417, 435);
3676     question1Panel.add(lblNewLabel);
3677
3678     question1Frame.setVisible(true);
3679
3680 }
3681● private void D5Q2() {
3682     JFrame question2Frame = new JFrame("Question 2");
3683     question2Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
3684     question2Frame.setBounds(100, 100, 431, 654);
3685
3686     JPanel question1Panel = new JPanel();
3687     question2Frame.setContentPane(question1Panel);
3688     question1Panel.setLayout(null);
3689
3690     JButton btnNewButton_1 = new JButton("");
3691     btnNewButton_1.addMouseListener(new MouseAdapter() {
3692         @Override
3693         public void mouseClicked(MouseEvent e) {
3694             TERMS terms = new TERMS();
3695             setVisible(false);
3696             terms.setVisible(true);
3697         }
3698     });
3699     btnNewButton_1.setBackground(new Color(153, 204, 153));
3700     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\Untitled (40 x 40 px) (40 x
3701     btnNewButton_1.setBounds(367, 29, 40, 35);
3702     question1Panel.add(btnNewButton_1);
3703
3704     JLabel question1Label = new JLabel("<html>Last summer we went on ____ cruise in the Caribbean. Among ____ Islands we visited were Bermuda and the Bahamas.</html>");
3705     question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
3706     question1Label.setForeground(new Color(255, 255, 255));
3707
3708     question1Label.setBounds(46, 228, 332, 107);
3709     question1Panel.add(question1Label);
3710
3711     ButtonGroup question1Group = new ButtonGroup();
3712     JRadioButton question1Option1 = new JRadioButton("- / the");
3713     question1Option1.setForeground(Color.WHITE);
3714     question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
3715     question1Option1.setBackground(new Color(0, 0, 0, 0));
3716     question1Option1.setBounds(198, 395, 103, 21);
3717     question1Option1.setOpaque(false);
3718     question1Panel.add(question1Option1);
3719     question1Group.add(question1Option1);
3720
3721     JRadioButton question1Option2 = new JRadioButton("a / the");
3722     question1Option2.setForeground(Color.WHITE);
3723     question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
3724     question1Option2.setBackground(new Color(0, 0, 0, 0));
3725     question1Option2.setBounds(195, 362, 103, 21);
3726     question1Panel.add(question1Option2);
3727     question1Group.add(question1Option2);
3728
3729     JRadioButton question1Option3 = new JRadioButton("the / -");
3730     question1Option3.setForeground(Color.WHITE);
3731     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
3732     question1Option3.setBackground(new Color(0, 0, 0, 0));
3733     question1Option3.setBounds(46, 384, 103, 21);
3734     question1Option3.setOpaque(false);
3735     question1Panel.add(question1Option3);
3736     question1Group.add(question1Option3);
3737
3738     JRadioButton question1Option4 = new JRadioButton("- / -");
3739     question1Option4.setForeground(new Color(255, 255, 255));
3740     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
3741     question1Option4.setBackground(new Color(0, 0, 0, 0));
3742     question1Option4.setBounds(46, 361, 103, 21);
3743     question1Option4.setOpaque(false);
3744     question1Panel.add(question1Option4);
3745     question1Group.add(question1Option4);
3746
3747     JButton question1BtnBack = new JButton("BACK");

```

```

3748● question1btnBack.addMouseListener(new MouseAdapter() {
3749    @Override
3750    public void mouseClicked(MouseEvent e) {
3751        question2Frame.dispose();
3752        D5Q1();
3753    }
3754);
3755 question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3756 question1btnBack.setBackground(new Color(153, 204, 153));
3757 question1btnBack.setBounds(26, 564, 86, 29);
3758 question1Panel.add(question1btnBack);
3759
3760 JButton question1NextButton = new JButton("NEXT");
3761 question1NextButton.setBackground(new Color(153, 204, 153));
3762 question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3763● question1NextButton.addMouseListener(new MouseAdapter() {
3764    /* @Override
3765    public void mouseClicked(MouseEvent e) {
3766        if (question1Option2.isSelected()) {
3767            correctAnswers++;
3768        }
3769        question2Frame.dispose();
3770        D1Q3();
3771    }
3772    */
3773● public void mouseClicked(MouseEvent e) {
3774    if (question1Group.getSelection() != null) {
3775        if (question1Option2.isSelected()) {
3776            //correctAnswers = 0;
3777            correctAnswers++;
3778        }
3779        question2Frame.dispose();
3780        D5Q0();
3781    } else {
3782        // Prompt the user to select an answer before proceeding
3783        JOptionPane.showMessageDialog(question2Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
3784    }
3785}
3786});
3787 question1NextButton.setBounds(305, 564, 86, 29);
3788 question1Panel.add(question1NextButton);

3789
3790
3791 JLabel lblNewLabel_2 = new JLabel("");
3792 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
3793 lblNewLabel_2.setBounds(120, 10, 193, 162);
3794 question1Panel.add(lblNewLabel_2);
3795
3796 JLabel lblNewLabel_3 = new JLabel("");
3797 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
3798 lblNewLabel_3.setBounds(0, 0, 417, 186);
3799 question1Panel.add(lblNewLabel_3);
3800
3801 JLabel lblNewLabel = new JLabel("");
3802 lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
3803 lblNewLabel.setBounds(0, 182, 417, 435);
3804 question1Panel.add(lblNewLabel);
3805
3806 question2Frame.setVisible(true);
3807
3808
3809 }
3810● private void D5Q3() {
3811     JFrame question3Frame = new JFrame("Question 3");
3812     question3Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
3813     question3Frame.setBounds(100, 100, 431, 654);
3814
3815     JPanel question1Panel = new JPanel();
3816     question3Frame.setContentPane(question1Panel);
3817     question1Panel.setLayout(null);
3818
3819     JButton btnNewButton_1 = new JButton("");
3820●     btnNewButton_1.addMouseListener(new MouseAdapter() {
3821    /* @Override
3822    public void mouseClicked(MouseEvent e) {
3823        Terms terms = new Terms();
3824        setVisible(false);
3825        terms.setVisible(true);
3826    }
3827    */
3828    });
3829    btnNewButton_1.setBackground(new Color(153, 204, 153));

```

```

3829 btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScP\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 * 40 px) (40 * 40 px).png"));
3830 btnNewButton_1.setBounds(367, 29, 40, 35);
3831 questionIPanel.add(btnNewButton_1);
3832
3833 JLabel questionILabel = new JLabel("<html>_____ teachers prefer a class that is fairly consistent in having pupils of the same level.</html>");
3834 questionILabel.setFont(new Font("Tahoma", Font.PLAIN, 13));
3835 questionILabel.setForeground(new Color(255, 255, 255));
3836 questionILabel.setBounds (46, 228, 332, 107);
3837 questionIPanel.add(questionILabel);
3838
3839 ButtonGroup questionIGroup = new ButtonGroup();
3840 JRadioButton questionIOption1 = new JRadioButton("Each");
3841 questionIOption1.setForeground(Color.WHITE);
3842 questionIOption1.setFont(new Font("Tahoma", Font.PLAIN, 13));
3843 questionIOption1.setBackground(new Color(0, 0, 0, 0));
3844 questionIOption1.setBounds(199, 395, 103, 21);
3845 questionIOption1.setOpaque(false);
3846 questionIPanel.add(questionIOption1);
3847 questionIGroup.add(questionIOption1);
3848
3849 JRadioButton questionIOption2 = new JRadioButton("Every");
3850 questionIOption2.setForeground(Color.WHITE);
3851 questionIOption2.setFont(new Font("Tahoma", Font.PLAIN, 13));
3852 questionIOption2.setBackground(new Color(0, 0, 0, 0));
3853 questionIOption2.setBounds(199, 362, 103, 21);
3854 questionIOption2.setOpaque(false);
3855 questionIPanel.add(questionIOption2);
3856 questionIGroup.add(questionIOption2);
3857
3858 JRadioButton questionIOption3 = new JRadioButton("Neither");
3859 questionIOption3.setForeground(Color.WHITE);
3860 questionIOption3.setFont(new Font("Tahoma", Font.PLAIN, 13));
3861 questionIOption3.setBackground(new Color(0, 0, 0, 0));
3862 questionIOption3.setBounds(46, 394, 103, 21);
3863 questionIOption3.setOpaque(false);
3864 questionIPanel.add(questionIOption3);
3865 questionIGroup.add(questionIOption3);
3866
3867 JRadioButton questionIOption4 = new JRadioButton("Most");
3868 questionIOption4.setForeground(new Color(255, 255, 255));
3869
3870 questionIOption4.setFont(new Font("Tahoma", Font.PLAIN, 13));
3871 questionIOption4.setBackground(new Color(0, 0, 0, 0));
3872 questionIOption4.setBounds(46, 361, 103, 21);
3873 questionIOption4.setOpaque(false);
3874 questionIPanel.add(questionIOption4);
3875 questionIGroup.add(questionIOption4);
3876
3877 JButton questionIBtnBack = new JButton("BACK");
3878 questionIBtnBack.addMouseListener(new MouseAdapter() {
3879     @Override
3880     public void mouseClicked(MouseEvent e) {
3881         question3Frame.dispose();
3882         DSQ2();
3883     }
3884 });
3885 questionIBtnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3886 questionIBtnBack.setBackground(new Color(153, 204, 153));
3887 questionIBtnBack.setBounds(26, 564, 86, 29);
3888 questionIPanel.add(questionIBtnBack);
3889
3890 JButton questionINextButton = new JButton("NEXT");
3891 questionINextButton.setBackground(new Color(153, 204, 153));
3892 questionINextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
3893 questionINextButton.addMouseListener(new MouseAdapter() {
3894     @Override
3895     public void mouseClicked(MouseEvent e) {
3896         if (questionIOption4.isSelected()) {
3897             correctAnswers++;
3898         }
3899         question3Frame.dispose();
3900         DSQ4();
3901         //showResults();
3902     }
3903 });
3904 public void mouseClicked(MouseEvent e) {
3905     if (questionIGroup.getSelection() != null) {
3906         if (questionIOption4.isSelected()) {
3907             //correctAnswers = 0;
3908             correctAnswers++;
3909         }
3910     }
3911     question3Frame.dispose();

```

```

1910     D5Q4();
1911     } else {
1912         // Prompt the user to select an answer before proceeding
1913         JOptionPane.showMessageDialog(question3Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
1914     }
1915 }
1916 });
1917 question1NextButton.setBounds(305, 564, 86, 29);
1918 question1Panel.add(question1NextButton);
1919
1920
1921 JLabel lblNewLabel_2 = new JLabel("");
1922 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScPE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
1923 lblNewLabel_2.setBounds(120, 10, 193, 162);
1924 question1Panel.add(lblNewLabel_2);
1925
1926 JLabel lblNewLabel_3 = new JLabel("");
1927 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScPE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
1928 lblNewLabel_3.setBounds(0, 0, 417, 186);
1929 question1Panel.add(lblNewLabel_3);
1930
1931 JLabel lblNewLabel = new JLabel("");
1932 lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScPE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (417 x 435 px) (1).png"));
1933 lblNewLabel.setBounds(182, 417, 435);
1934 question1Panel.add(lblNewLabel);
1935
1936 questionJFrame.setVisible(true);
1937
1938 }
1939
1940 private void D5Q1() {
1941     JFrame question4Frame = new JFrame("Question 4");
1942     question4Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
1943     question4Frame.setBounds(100, 100, 431, 654);
1944
1945 JPanel question1Panel = new JPanel();
1946 question4Frame.setContentPane(question1Panel);
1947 question1Panel.setLayout(null);
1948
1949 JButton btnNewButton_1 = new JButton("");
1950
1951 btnNewButton_1.addMouseListener(new MouseAdapter() {
1952     @Override
1953     public void mouseClicked(MouseEvent e) {
1954         Terms terms = new Terms();
1955         setVisible(false);
1956         terms.setVisible(true);
1957     }
1958 });
1959 btnNewButton_1.setBackground(new Color(153, 204, 153));
1960 btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScPE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (40 x 40 px) (40).png"));
1961 btnNewButton_1.setBounds(367, 29, 40, 35);
1962 question1Panel.add(btnNewButton_1);
1963
1964 JLabel question1Label = new JLabel("<html>_____ of what he said was very sensible.</html>");
1965 question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
1966 question1Label.setForeground(new Color(255, 255, 255));
1967 question1Label.setBounds(46, 228, 332, 107);
1968 question1Panel.add(question1Label);
1969
1970 ButtonGroup question1Group = new ButtonGroup();
1971 JRadioButton question1Option1 = new JRadioButton("Many");
1972 question1Option1.setForeground(Color.WHITE);
1973 question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
1974 question1Option1.setBackground(new Color(0, 0, 0));
1975 question1Option1.setBounds(199, 395, 103, 21);
1976 question1Option1.setOpaque(false);
1977 question1Panel.add(question1Option1);
1978 question1Group.add(question1Option1);
1979
1980 JRadioButton question1Option2 = new JRadioButton("Much");
1981 question1Option2.setForeground(Color.WHITE);
1982 question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
1983 question1Option2.setBackground(new Color(0, 0, 0));
1984 question1Option2.setBounds(199, 362, 103, 21);
1985 question1Option2.setOpaque(false);
1986 question1Panel.add(question1Option2);
1987 question1Group.add(question1Option2);
1988
1989 JRadioButton question1Option3 = new JRadioButton("Few");
1990 question1Option3.setForeground(Color.WHITE);
1991 question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));

```

```

1992     question1Option3.setBackground(new Color(0, 0, 0));
1993     question1Option3.setBounds(46, 394, 103, 21);
1994     question1Option3.setOpaque(false);
1995     question1Panel.add(question1Option3);
1996     question1Group.add(question1Option3);
1997
1998     JRadioButton question1Option4 = new JRadioButton("A few");
1999     question1Option4.setForeground(new Color(255, 255, 255));
2000     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
2001     question1Option4.setBackground(new Color(0, 0, 0));
2002     question1Option4.setBounds(46, 261, 103, 21);
2003     question1Option4.setOpaque(false);
2004     question1Panel.add(question1Option4);
2005     question1Group.add(question1Option4);
2006
2007     JButton question1btnBack = new JButton("BACK");
2008     question1btnBack.addMouseListener(new MouseAdapter() {
2009         @Override
2010         public void mouseClicked(MouseEvent e) {
2011             question4Frame.dispose();
2012             D5Q3();
2013         }
2014     });
2015     question1btnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2016     question1btnBack.setBackground(new Color(153, 204, 153));
2017     question1btnBack.setBounds(26, 564, 86, 29);
2018     question1Panel.add(question1btnBack);
2019
2020     JButton question1NextButton = new JButton("NEXT");
2021     question1NextButton.setBackground(new Color(153, 204, 153));
2022     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
2023     question1NextButton.addMouseListener(new MouseAdapter() {
2024         /* @Override
2025         public void mouseClicked(MouseEvent e) {
2026             if (question1Option2.isSelected()) {
2027                 correctAnswers++;
2028             }
2029             question4Frame.dispose();
2030             D1Q5();
2031             //showResults();
2032         }
2033
2034         */*/
2035         public void mouseClicked(MouseEvent e) {
2036             if (question1Group.getSelection() != null) {
2037                 if (question1Option2.isSelected()) {
2038                     //correctAnswers++;
2039                 }
2040                 question4Frame.dispose();
2041                 D5Q5();
2042             } else {
2043                 // Prompt the user to select an answer before proceeding
2044                 JOptionPane.showMessageDialog(question4Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
2045             }
2046         }
2047     });
2048     question1NextButton.setBounds(305, 564, 86, 29);
2049     question1Panel.add(question1NextButton);
2050
2051
2052     JLabel lblNewLabel_2 = new JLabel("");
2053     lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORFUE\\Untitled (193 x 162 px) (4).png"));
2054     lblNewLabel_2.setBounds(120, 10, 193, 162);
2055     question1Panel.add(lblNewLabel_2);
2056
2057     JLabel lblNewLabel_3 = new JLabel("");
2058     lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORFUZ\\Bg for logo.png"));
2059     lblNewLabel_3.setBounds(0, 0, 417, 186);
2060     question1Panel.add(lblNewLabel_3);
2061
2062     JLabel lblNewLabel = new JLabel("");
2063     lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORFUE\\Untitled (417 x 435 px) (1).png"));
2064     lblNewLabel.setBounds(0, 182, 417, 435);
2065     question1Panel.add(lblNewLabel);
2066
2067     question4Frame.setVisible(true);
2068
2069 }
2070
2071
2072     private void D5Q5() {
2073         JFrame question5Frame = new JFrame("Question 5");

```

```

4074     question5Frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
4075     question5Frame.setBounds(100, 100, 431, 654);
4076
4077     JPanel question1Panel = new JPanel();
4078     question5Frame.getContentPane().add(question1Panel);
4079     question1Panel.setLayout(null);
4080
4081     JButton btnNewButton_1 = new JButton("");
4082     btnNewButton_1.addMouseListener(new MouseAdapter() {
4083         @Override
4084         public void mouseClicked(MouseEvent e) {
4085             Terms terms = new Terms();
4086             setVisible(false);
4087             terms.setVisible(true);
4088         }
4089     });
4090     btnNewButton_1.setBackground(new Color(153, 204, 153));
4091     btnNewButton_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BScP\\3GP\\2nd Semester\\CPE18L Software Design Lab\\Untitled (40 * 40 px) (40 * 40 px).png"));
4092     btnNewButton_1.setBounds(367, 29, 40, 35);
4093     question1Panel.add(btnNewButton_1);
4094
4095     JLabel question1Label = new JLabel("<html>Some people believe vaccines overload our immune system, making it less able to react to other diseases ____ meningitis or AI");
4096     question1Label.setFont(new Font("Tahoma", Font.PLAIN, 13));
4097     question1Label.setForeground(new Color(255, 255, 255));
4098     question1Label.setBounds (46, 228, 332, 107);
4099     question1Panel.add(question1Label);
4100
4101     ButtonGroup question1Group = new ButtonGroup();
4102     JRadioButton question1Option1 = new JRadioButton("but for");
4103     question1Option1.setForeground(Color.WHITE);
4104     question1Option1.setFont(new Font("Tahoma", Font.PLAIN, 13));
4105     question1Option1.setBackground(new Color(0, 0, 0, 0));
4106     question1Option1.setBounds(199, 395, 103, 21);
4107     question1Option1.setOpaque(false);
4108     question1Panel.add(question1Option1);
4109     question1Group.add(question1Option1);
4110
4111     JRadioButton question1Option2 = new JRadioButton("lest");
4112     question1Option2.setForeground(Color.WHITE);
4113     question1Option2.setFont(new Font("Tahoma", Font.PLAIN, 13));
4114     question1Option2.setBackground(new Color(0, 0, 0, 0));
4115
4116     question1Option2.setBounds(199, 362, 103, 21);
4117     question1Option2.setOpaque(false);
4118     question1Panel.add(question1Option2);
4119     question1Group.add(question1Option2);
4120
4121     JRadioButton question1Option3 = new JRadioButton("such as");
4122     question1Option3.setForeground(Color.WHITE);
4123     question1Option3.setFont(new Font("Tahoma", Font.PLAIN, 13));
4124     question1Option3.setBackground(new Color(0, 0, 0, 0));
4125     question1Option3.setBounds(46, 394, 103, 21);
4126     question1Option3.setOpaque(false);
4127     question1Panel.add(question1Option3);
4128     question1Group.add(question1Option3);
4129
4130     JRadioButton question1Option4 = new JRadioButton("and");
4131     question1Option4.setForeground(new Color(255, 255, 255));
4132     question1Option4.setFont(new Font("Tahoma", Font.PLAIN, 13));
4133     question1Option4.setBackground(new Color(0, 0, 0, 0));
4134     question1Option4.setBounds(46, 361, 103, 21);
4135     question1Option4.setOpaque(false);
4136     question1Panel.add(question1Option4);
4137     question1Group.add(question1Option4);
4138
4139     JButton question1BtnBack = new JButton("BACK");
4140     question1BtnBack.addMouseListener(new MouseAdapter() {
4141         @Override
4142         public void mouseClicked(MouseEvent e) {
4143             question5Frame.dispose();
4144             DSQ4();
4145         }
4146     });
4147     question1BtnBack.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
4148     question1BtnBack.setBackground(new Color(153, 204, 153));
4149     question1BtnBack.setBounds(26, 564, 95, 25);
4150     question1Panel.add(question1BtnBack);
4151
4152     JButton question1NextButton = new JButton("NEXT");
4153     question1NextButton.setBackground(new Color(153, 204, 153));
4154     question1NextButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 17));
4155     question1NextButton.addMouseListener(new MouseAdapter() {
4156         /* @Override

```

```
4156     public void mouseClicked(MouseEvent e) {
4157         if (question1Option3.isSelected()) {
4158             correctAnswers++;
4159         }
4160         question5Frame.dispose();
4161         //D1Q5();
4162         D1showResults();
4163     }
4164 }
4165 */
4166 public void mouseClicked(MouseEvent e) {
4167     if (question1Group.getSelection() != null) {
4168         if (question1Option3.isSelected()) {
4169             //correctAnswers = 0;
4170             correctAnswers++;
4171         }
4172         question5Frame.dispose();
4173         //D1Q5();
4174         D1showResults();
4175     } else {
4176         // Prompt the user to select an answer before proceeding
4177         JOptionPane.showMessageDialog(question5Frame, "Please select an answer.", "Missing Answer", JOptionPane.WARNING_MESSAGE);
4178     }
4179 }
4180 question1NextButton.setBounds(305, 564, 86, 29);
4181 question1Panel.add(question1NextButton);
4182
4183
4184 JLabel lblNewLabel_2 = new JLabel("");
4185 lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (193 x 162 px) (4).png"));
4186 lblNewLabel_2.setBounds(120, 10, 193, 162);
4187 question1Panel.add(lblNewLabel_2);
4188
4189 JLabel lblNewLabel_3 = new JLabel("");
4190 lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
4191 lblNewLabel_3.setBounds(0, 0, 417, 186);
4192 question1Panel.add(lblNewLabel_3);
4193
4194 JLabel lblNewLabel = new JLabel("");
4195 lblNewLabel.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (1).png"));
```



```
        questionFrame.dispose();
    }
}
}

private void step2() {
    // bring the user to select an answer before proceeding
    questionFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    questionFrame.setVisible(true);
    questionFrame.setResizable(false);
    questionFrame.setSize(400, 300);
    questionFrame.setLocationRelativeTo(null);
    questionFrame.setLayout(null);
    questionFrame.add(questionLabel);
    questionFrame.add(answer1);
    questionFrame.add(answer2);
    questionFrame.add(answer3);
    questionFrame.add(answer4);
    questionFrame.add(button);
    questionFrame.setVisible(true);
}

private void step3() {
    // bring the user to select an answer before proceeding
    questionFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    questionFrame.setVisible(true);
    questionFrame.setResizable(false);
    questionFrame.setSize(400, 300);
    questionFrame.setLocationRelativeTo(null);
    questionFrame.setLayout(null);
    questionFrame.add(questionLabel);
    questionFrame.add(answer1);
    questionFrame.add(answer2);
    questionFrame.add(answer3);
    questionFrame.add(button);
    questionFrame.setVisible(true);
}

private void step4() {
    // bring the user to select an answer before proceeding
    questionFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    questionFrame.setVisible(true);
    questionFrame.setResizable(false);
    questionFrame.setSize(400, 300);
    questionFrame.setLocationRelativeTo(null);
    questionFrame.setLayout(null);
    questionFrame.add(questionLabel);
    questionFrame.add(answer1);
    questionFrame.add(answer2);
    questionFrame.add(answer3);
    questionFrame.add(button);
    questionFrame.setVisible(true);
}

private void step5() {
    // bring the user to select an answer before proceeding
    questionFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    questionFrame.setVisible(true);
    questionFrame.setResizable(false);
    questionFrame.setSize(400, 300);
    questionFrame.setLocationRelativeTo(null);
    questionFrame.setLayout(null);
    questionFrame.add(questionLabel);
    questionFrame.add(answer1);
    questionFrame.add(answer2);
    questionFrame.add(button);
    questionFrame.setVisible(true);
}

private void step6() {
    // bring the user to select an answer before proceeding
    questionFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    questionFrame.setVisible(true);
    questionFrame.setResizable(false);
    questionFrame.setSize(400, 300);
    questionFrame.setLocationRelativeTo(null);
    questionFrame.setLayout(null);
    questionFrame.add(questionLabel);
    questionFrame.add(button);
    questionFrame.setVisible(true);
}

private void step7() {
    // bring the user to select an answer before proceeding
    questionFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    questionFrame.setVisible(true);
    questionFrame.setResizable(false);
    questionFrame.setSize(400, 300);
    questionFrame.setLocationRelativeTo(null);
    questionFrame.setLayout(null);
    questionFrame.add(questionLabel);
    questionFrame.add(button);
    questionFrame.setVisible(true);
}

private void step8() {
    // bring the user to select an answer before proceeding
    questionFrame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    questionFrame.setVisible(true);
    questionFrame.setResizable(false);
    questionFrame.setSize(400, 300);
    questionFrame.setLocationRelativeTo(null);
    questionFrame.setLayout(null);
    questionFrame.add(button);
    questionFrame.setVisible(true);
}
```



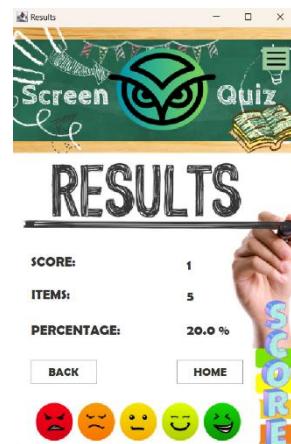
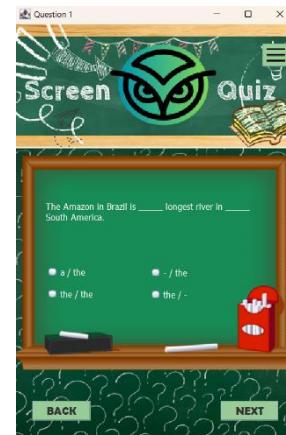
```

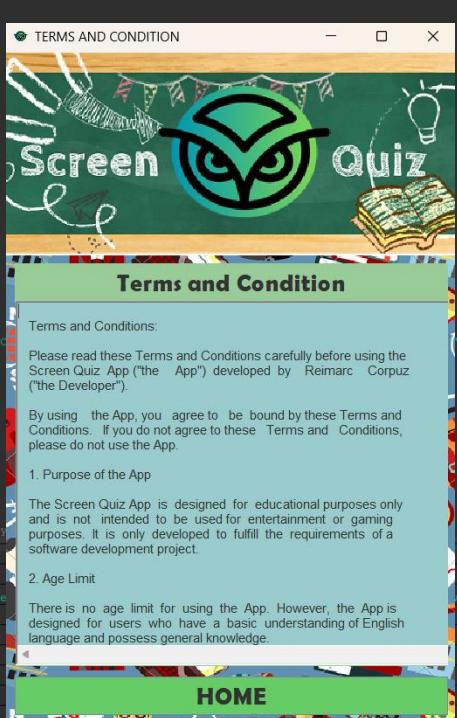
    questionLabel.setCaption("question1");
    questionLabel.setLabel("This label has a caption and is aligned horizontally with its input field. The label is positioned above the input field and has a bounding box of approximately [140, 200, 270, 270].");
    questionLabel.setLabelFor(questionInput);
    questionInput.setWidth(200);
    questionInput.setLabel("Question 1 Input");
    questionForm.add(questionLabel, questionInput);
    questionForm.addSubmit();
}

// Create and display the questionnaire form
var questionnaireForm = new QuestionnaireForm("myQuestionnaire");
questionnaireForm.display();

```


A large screenshot of a terminal window showing multiple parallel sessions of code execution, likely a debugger or a multi-threaded application. The terminal has a dark background with green and yellow text, indicating syntax highlighting for different programming languages or code snippets.





```

CALCULATOR_... ScreenQuiz.java StartButton... Terms.java EnglishCAL.java ScienceCAL.java TechCAL.java FilCAL.java CounCAL.java SciBOOK.java EngBOOK.java LoginSystem...
1 import javax.swing.*;
2 import java.awt.*;
3 import java.awt.event.*;
4 import javax.swing.border.LineBorder;
5
6 public class Terms extends JFrame {
7
8     private JPanel contentPane;
9
10    /**
11     * Launch the application.
12     */
13    public static void main(String[] args) {
14        Terms frame = new Terms();
15        frame.setVisible(true);
16    }
17
18    /**
19     * Create the frame.
20     */
21    public Terms() {
22        setTitle("TERMS AND CONDITION");
23        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
24        setBounds(100, 100, 431, 654);
25
26        // Set the icon image
27        ImageIcon icon = new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\ScreenQuiz\\src\\icon\\icon.png");
28        setIconImage(icon.getImage());
29
30        contentPane = new JPanel();
31
32        setContentPane(contentPane);
33        contentPane.setLayout(null);
34
35        JPanel panel = new JPanel();
36        panel.setBackground(new Color(153, 204, 153));
37        panel.setBounds(11, 228, 356, 334);
38        contentPane.add(panel);
39        panel.setLayout(null);
40
41        //In this text area it includes all the text included in the terms and conditions it is separated by
42        //textArea textArea = new JTextArea();
43        //textArea.setEditable(false);
44        //textArea.setBackground(new Color(153, 204, 204));
45        //textArea.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 12));
46        //textArea.setText("Aa Terms and Conditions:\r\n\r\n Please read these Terms and Conditions carefully before using the App.\r\n\r\n The Screen Quiz App is designed for educational purposes only and is not intended to be used for entertainment or gaming purposes. It is only developed to fulfill the requirements of a software development project.");
47        //textArea.setBounds(0, 0, 431, 334);
48        //panel.add(textArea);
49
50        //A HOME button to return to the home page
51        JButton btnNewButton = new JButton("HOME");
52        btnNewButton.addMouseListener(new MouseAdapter() {
53            @Override
54            public void mouseClicked(MouseEvent e) {
55                ScreenQuiz create = new ScreenQuiz();
56                setVisible(false);
57                create.setVisible(true);
58            }
59        });
59        btnNewButton.setBackground(new Color(102, 204, 102));
60        btnNewButton.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 22));
61        btnNewButton.setBounds(10, 572, 397, 35);
62
63        contentPane.add(btnNewButton);
64
65        JPanel panel_1 = new JPanel();
66        panel_1.setBackground(new Color(153, 204, 153));
67        panel_1.setBounds(10, 150, 397, 36);
68        contentPane.add(panel_1);
69
70        //This is the label to know what the frame is for
71        JLabel lblNewLabel = new JLabel("Terms and Condition");
72        panel_1.add(lblNewLabel);
73        lblNewLabel.setFont(new Font("Berlin Sans FB Demi", Font.PLAIN, 22));
74
75        JLabel lblNewLabel_2 = new JLabel("");
76        lblNewLabel_2.setBounds(120, 10, 193, 162);
77        lblNewLabel_2.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Untitled (100 x 162 px) (4).png"));
78        contentPane.add(lblNewLabel_2);
79
80        JLabel lblNewLabel_3 = new JLabel("");
81        lblNewLabel_3.setBounds(0, 0, 417, 186);
82        lblNewLabel_3.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\Bg for logo.png"));
83        contentPane.add(lblNewLabel_3);
84
85        JLabel lblNewLabel_1 = new JLabel("");
86        lblNewLabel_1.setBounds(-3, 10, 400, 654);
87        contentPane.add(lblNewLabel_1);
88        lblNewLabel_1.setIcon(new ImageIcon("D:\\CPE Files\\BS COMPUTER ENGINEERING\\BSCpE - 3GF\\2nd Semester\\CPE18L Software Design Lab\\CORPUZ\\background.png"));
89
90    }
91 }
92

```

F. Jar file and exe file

 ScreenQuiz	6/5/2023 7:42 PM	Application	2,866 KB
 ScreenQuiz	6/5/2023 7:30 PM	Executable Jar File	2,604 KB
 ScreenQuiz.xml	6/5/2023 7:41 PM	XML File	1 KB