CRYSTAL MARVEENA MARITIN (BI19110079)

Requirements:

1. Add Menu Bar at the top with menu ‘Load Data’ to read from file and view in the output text area. (figure 1.1) Menu ‘Exit’ to show ‘showConfirmDialog’ and exit the application if user select ‘yes’ in the dialog. (figure 1.2)

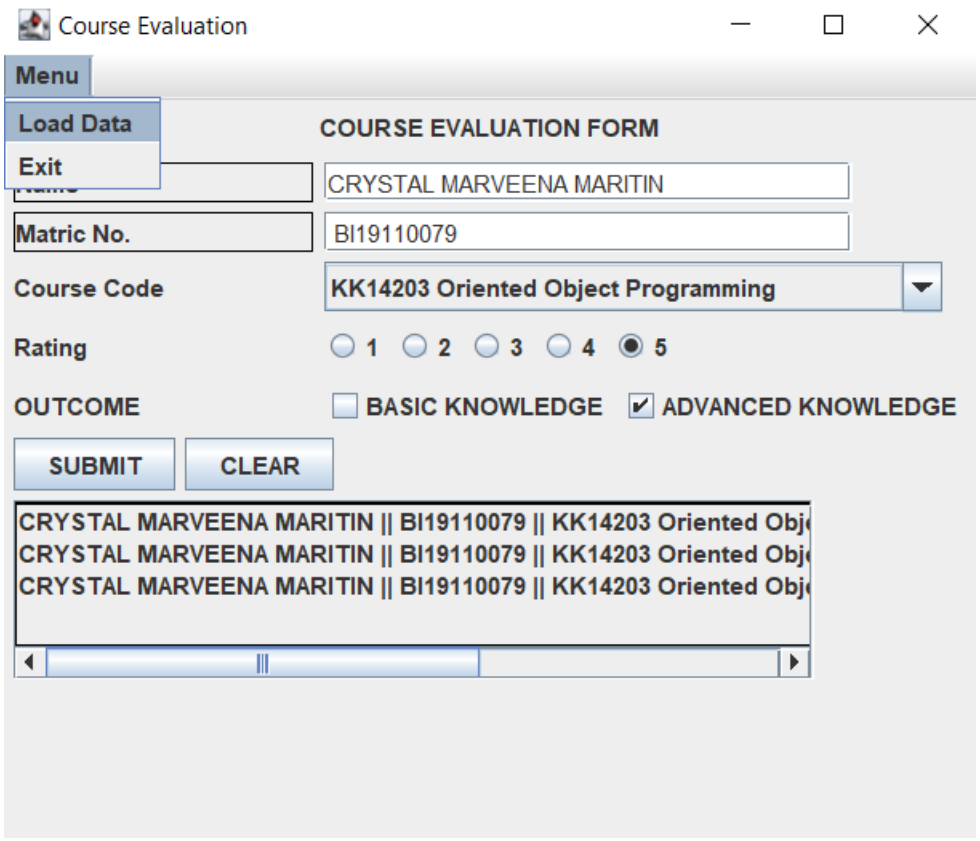

FIGURE 1.1 Menu Bar at the top with menu ‘Load Data’ to read from file and view in the output text area.

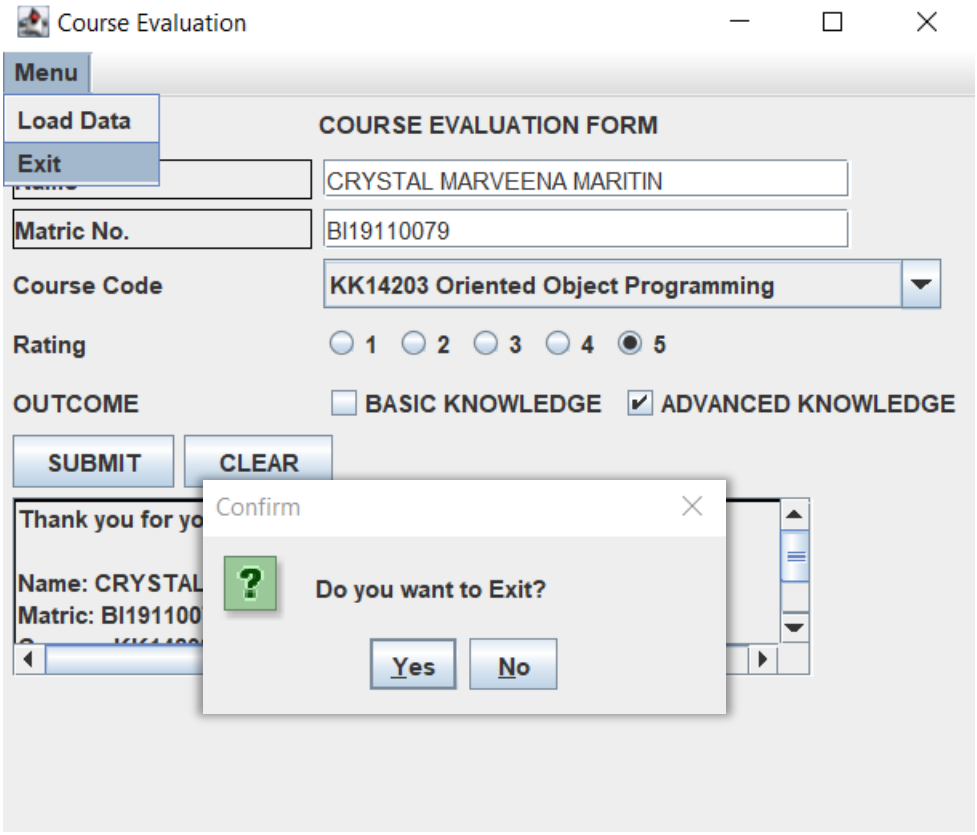

FIGURE 1.2 Menu 'Exit' to show 'showConfirmDialog' and to exit the application if user click 'Yes' in the dialog

2. Input validation from all input to check if user empty field or selections when user click ‘Submit’ button.

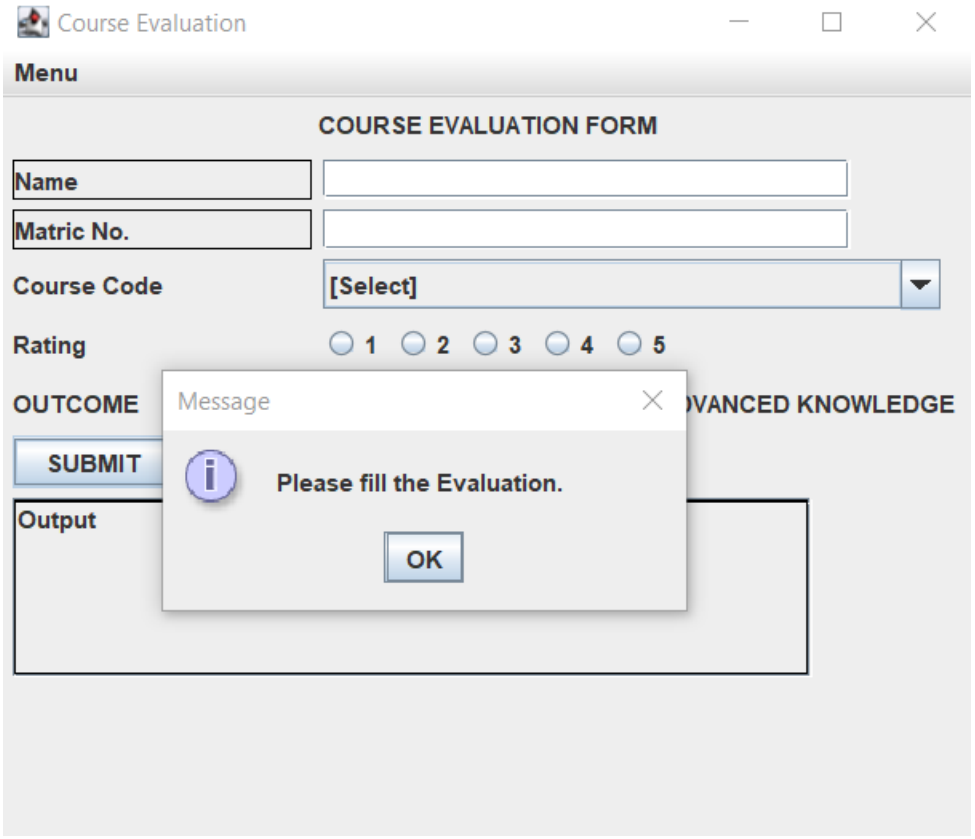

FIGURE 2.1

3. Save (add) the data into a text file with dialog notification (e.g. showMessageDialog) whether input is successfully saved.

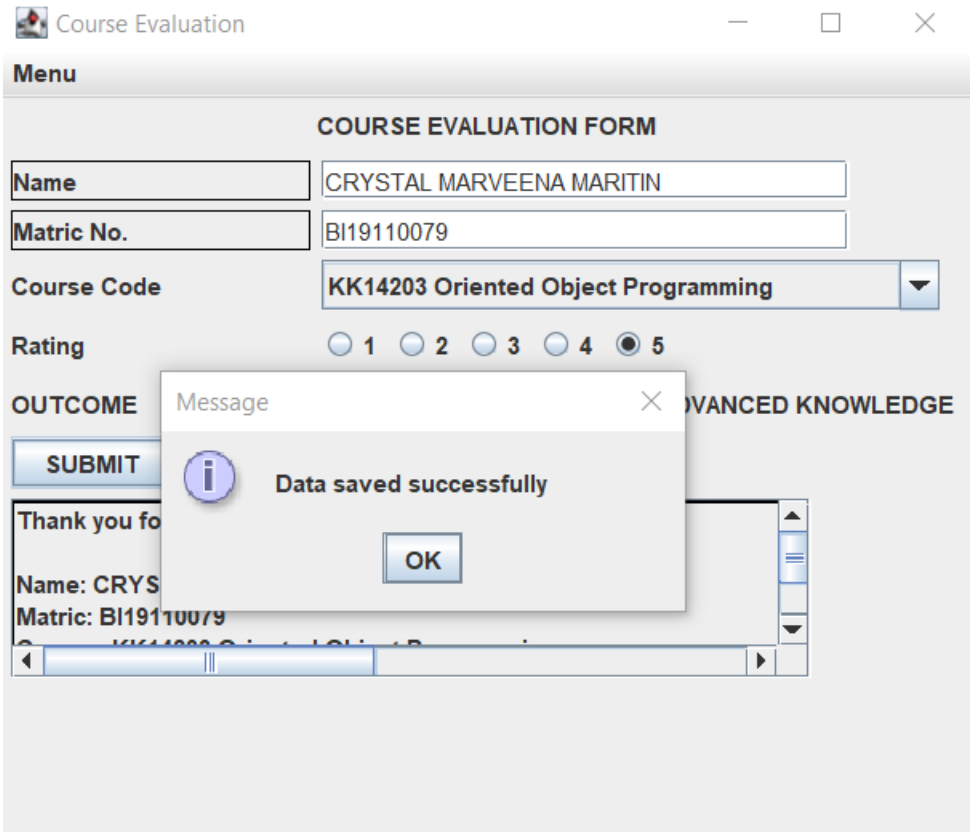

FIGURE 3.1

4. Implement at least ONE (1) exception handling (e.g. file IO and dealing with empty input field).

```
//exception implementation - to append new data into text file
try {
   // FileWriter is initialized by using the following constructors

   fr = new FileWriter(file, true);
   br = new BufferedWriter(fr);
   pr = new PrintWriter(br);
   pr.println(input);
   }

catch (IOException e) {
   output_label.setText(e.toString());
   } finally {
   try {
      pr.close();
      br.close();
      fr.close();
   } catch (IOException e) {
      output_label.setText(e.toString());
   }
}
```

FIGURE 4.1 EXCEPTION HANDLING OF APPENDING NEW DATA INTO EXISTING DATA TEXT FILE