UMS

UNIVERSITI MALAYSIA SABAH

FACULTY OF COMPUTING AND INFORMATICS

HC 00 SOFTWARE ENGINEERING

SEMESTER 2 (2019 /2020)

KK 14203 OBJECT ORIENTED PROGRAMMING

SECTION 1

INDIVIDUAL ASSIGNMENT

LAB 7 : GUI

PREPARED BY

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PREPARED FOR

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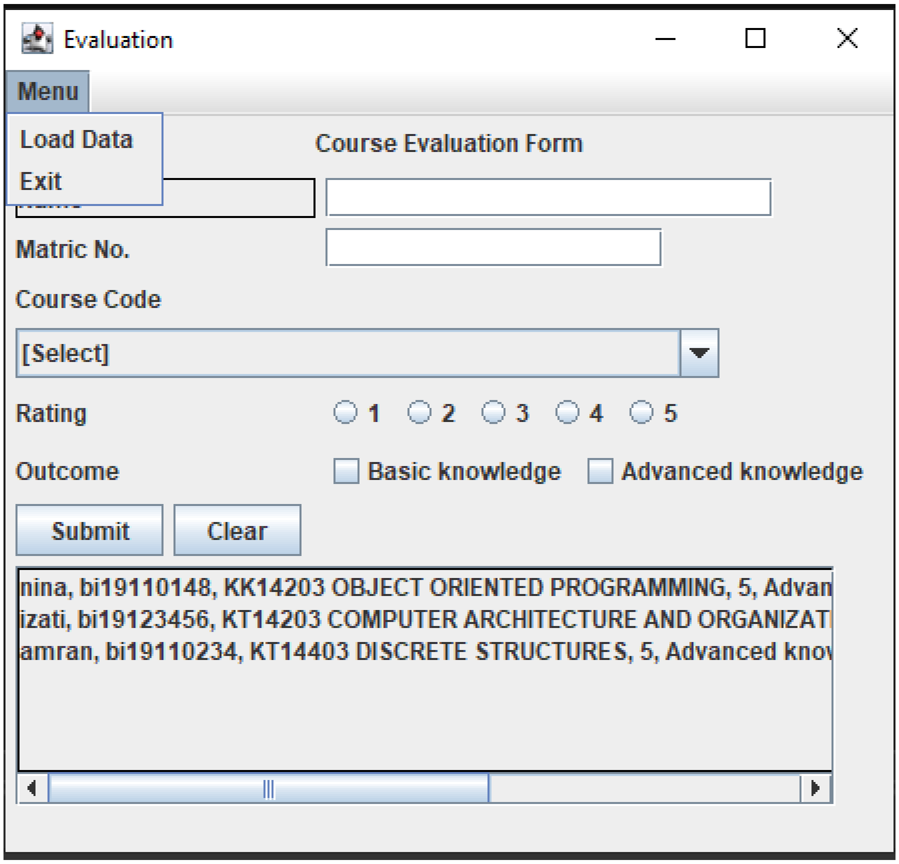
Requirements :

1. Add Menu Bar at the top with menu 'Load Data' to read from file and view in the output textrea.



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nina, bi19110148, KK14203 OBJECT ORIENTED PROGRAMMING, 5, Advan
izati, bi19123456, KT14203 COMPUTER ARCHITECTURE AND ORGANIZATI
amran, bi19110234, KT14403 DISCRETE STRUCTURES, 5, Advanced know
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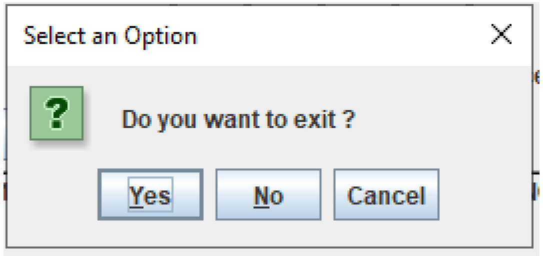
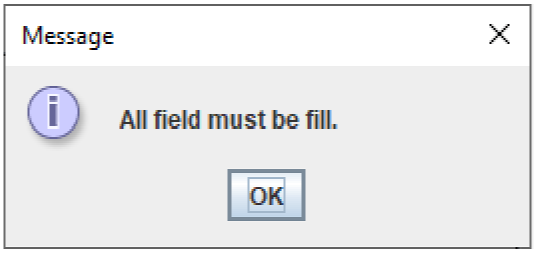
2. Menu 'Exit' to show 'showConfirmDialog' and exit the application if user select 'yes' in the dialog.



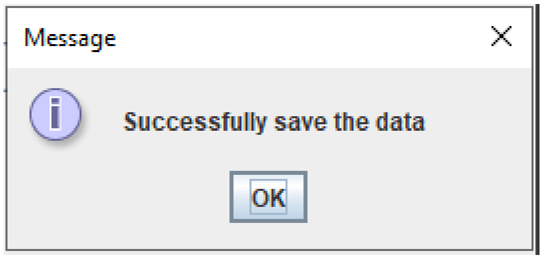
Do you want to exit ?

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



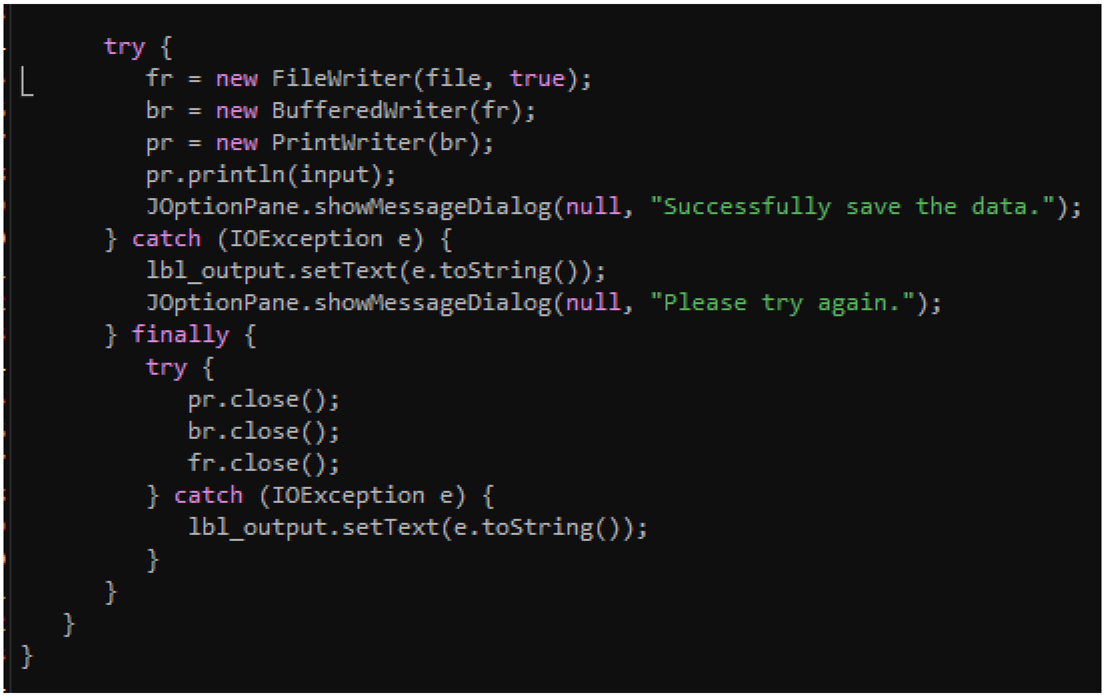
All field must be fill.

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

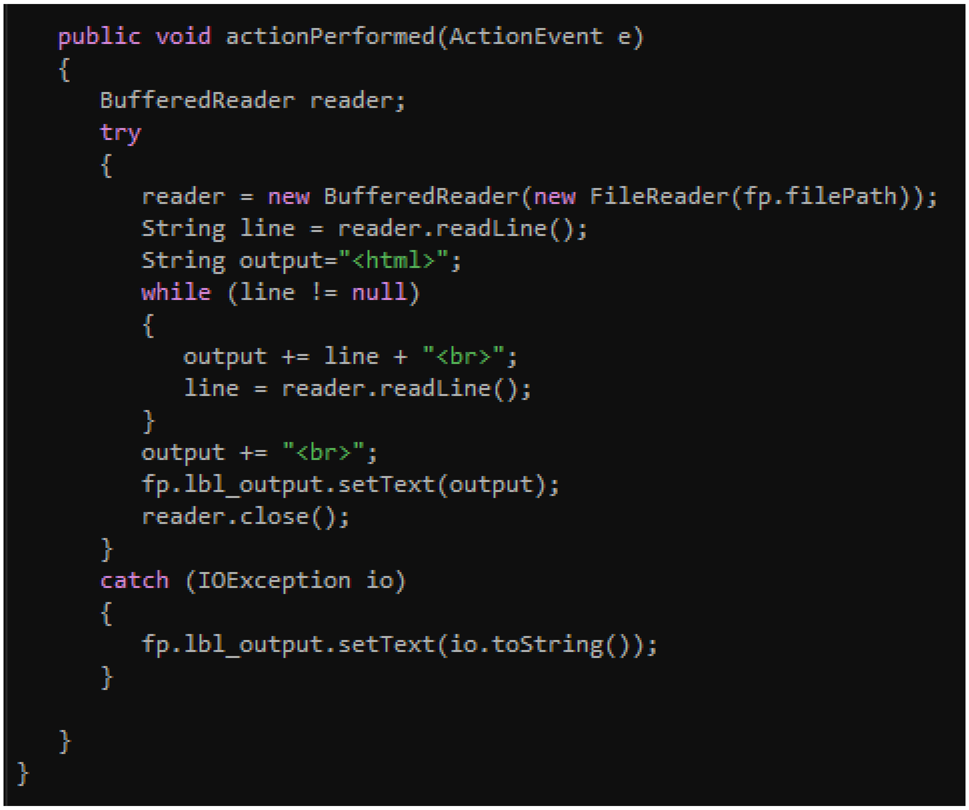


Successfully save the data

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



```
      try {
         fr = new FileWriter(file, true);
         br = new BufferedWriter(fr);
         pr = new PrintWriter(br);
         pr.println(input);
         JOptionPane.showMessageDialog(null, "Successfully save the data.");
      } catch (IOException e) {
         lbl_output.setText(e.toString());
         JOptionPane.showMessageDialog(null, "Please try again.");
      } finally {
         try {
            pr.close();
            br.close();
            fr.close();
         } catch (IOException e) {
            lbl_output.setText(e.toString());
         }
      }
   }
}
```



```
   public void actionPerformed(ActionEvent e)
   {
      BufferedReader reader;
      try
      {
         reader = new BufferedReader(new FileReader(fp.filePath));
         String line = reader.readLine();
         String output="<html>";
         while (line != null)
         {
            output += line + "<br>";
            line = reader.readLine();
         }
         output += "<br>";
         fp.lbl_output.setText(output);
         reader.close();
      }
      catch (IOException io)
      {
         fp.lbl_output.setText(io.toString());
      }

   }
}
```