

KK14203(SEKSYEN 1-HC00) – OBJECT ORIENTED PROGRAMMING

Lab Assignment 4: Lab 7

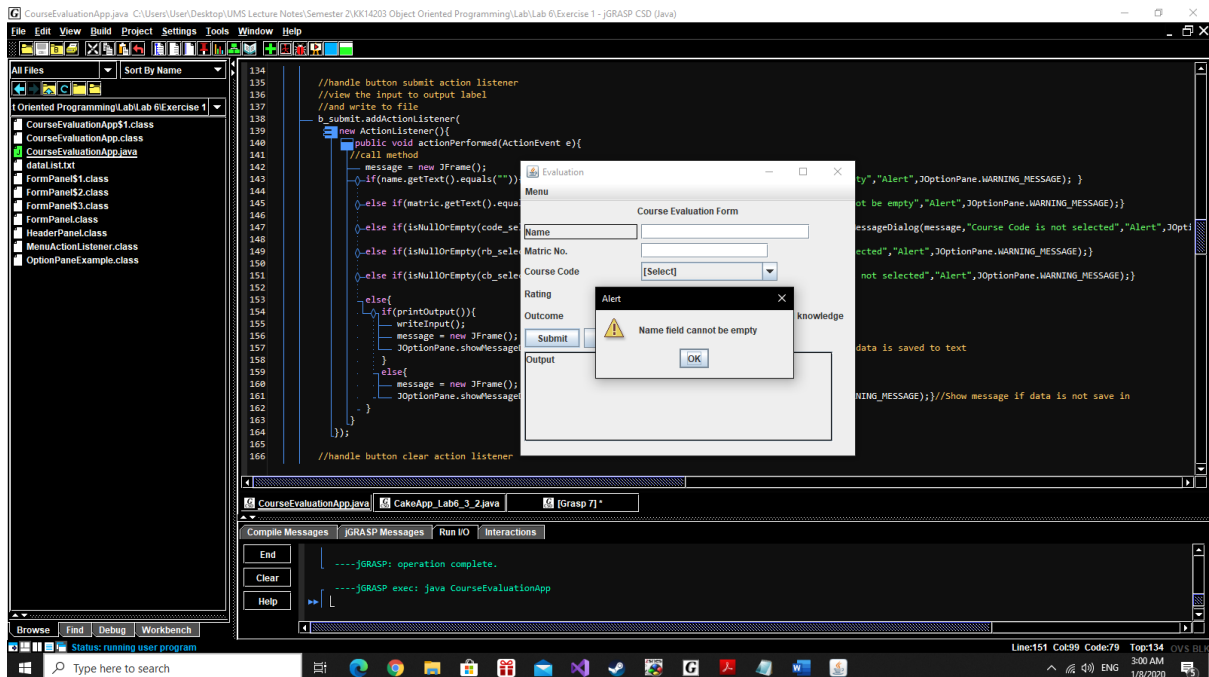
Lecturer: DR. MOHD SHAMRIE SAININ

Name: Daniel Dean Phillip

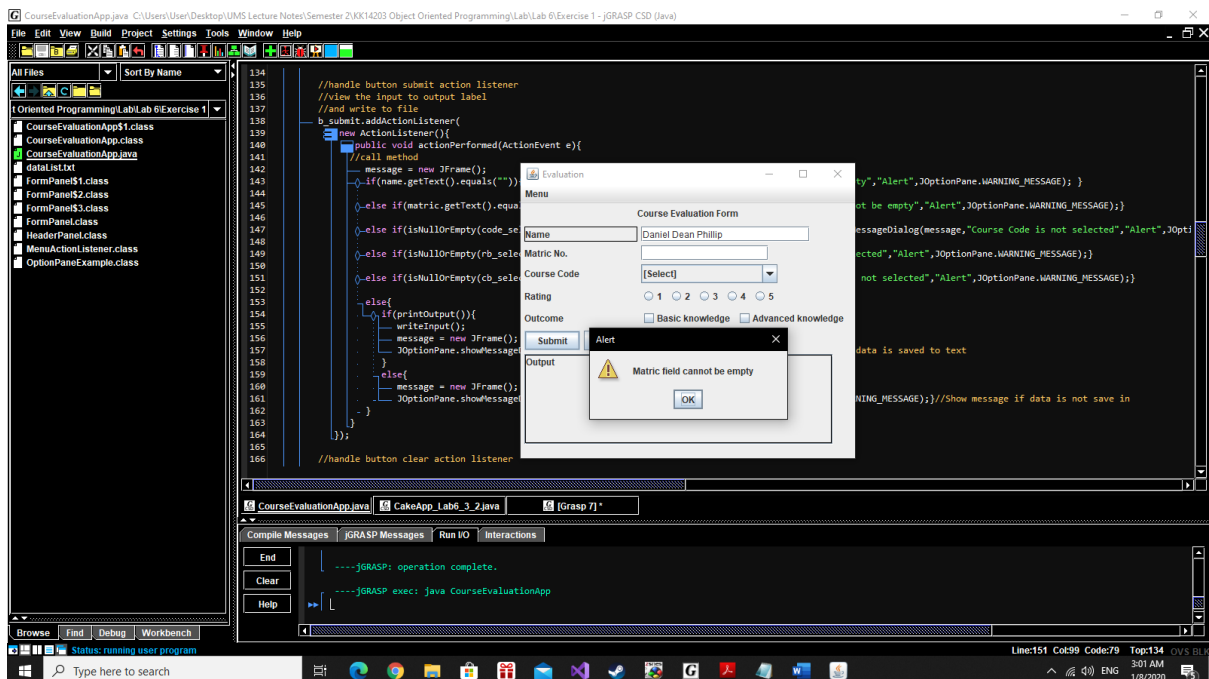
Matric Number: BI19110162

Input Validation:

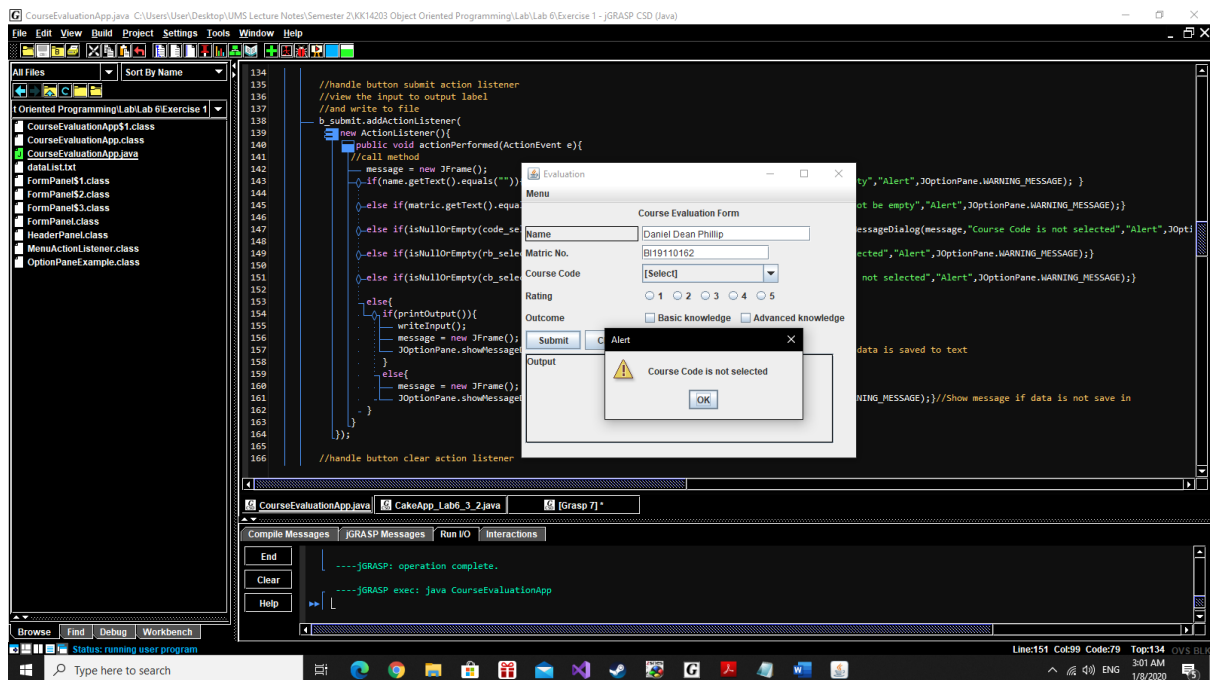
Dialog message pop out when user left field name blank.



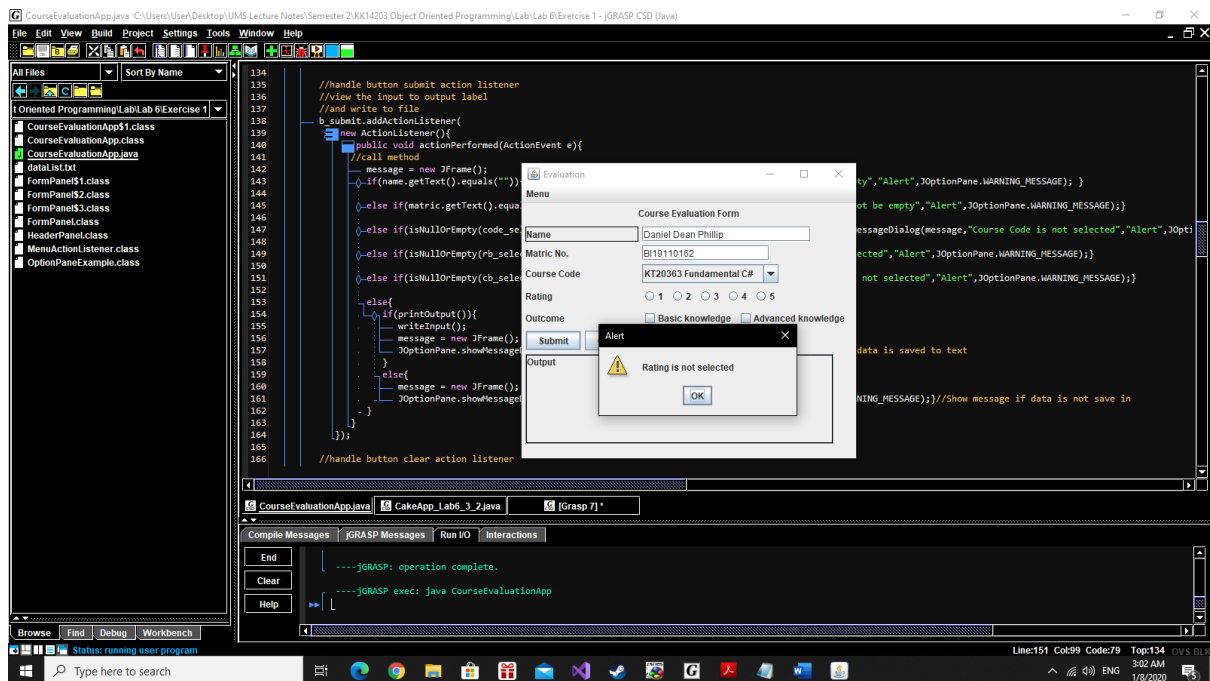
Dialog message pop out when user left matric no field blank.



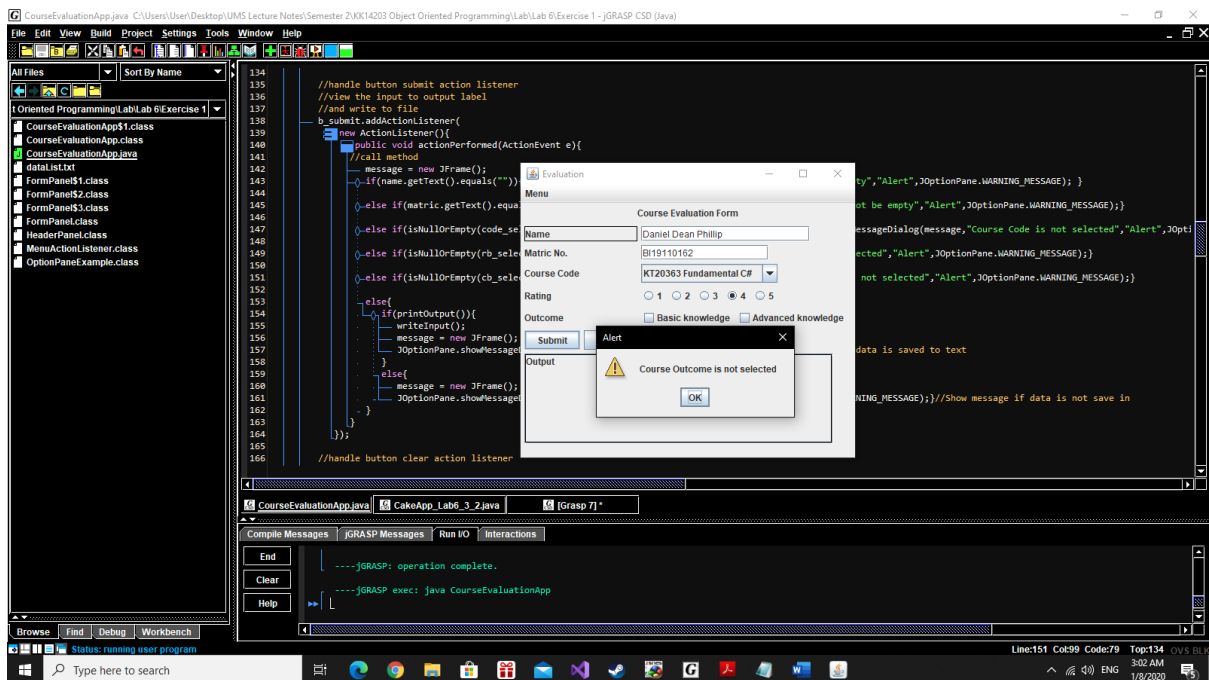
Dialog message pop out when user did not select course code.



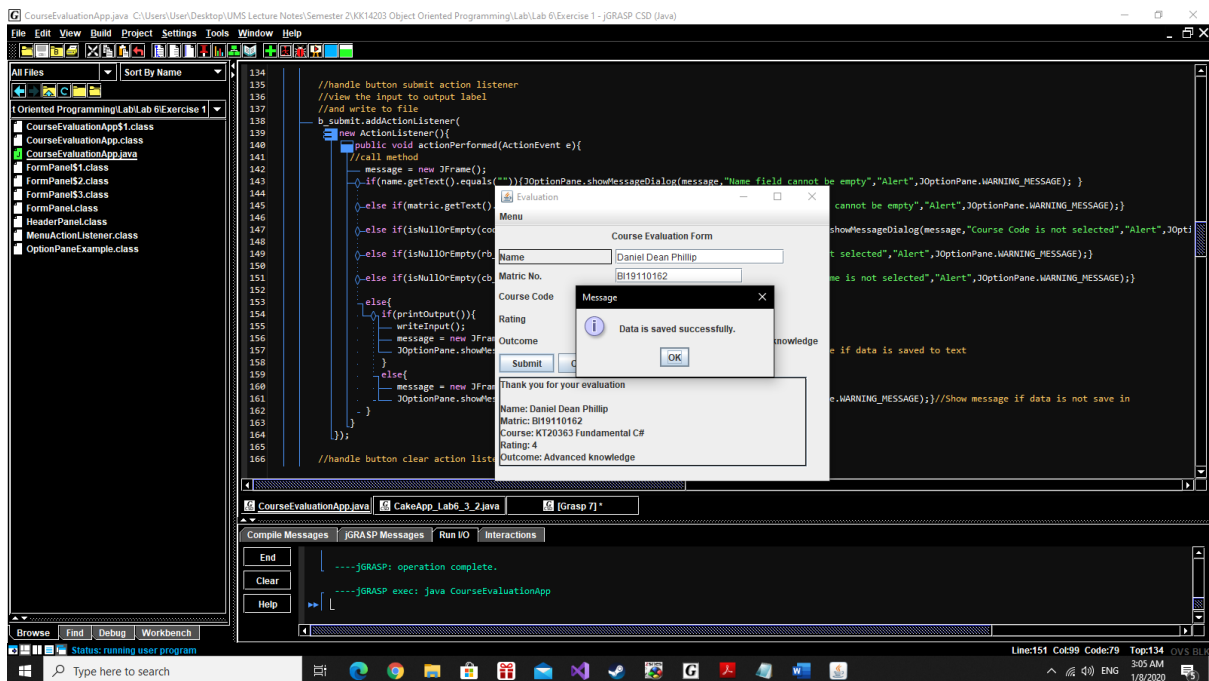
Dialog message pop out when user did not select rating button.



Dialog message pop out when user did not check course outcome.



Successfully Save Data Into Text File "DataList.txt" Dialog Message:



Menu Load Data:

The screenshot displays an IDE environment with the following components:

- File Explorer:** Shows the project structure with files like `CourseEvaluationApp$1.class`, `CourseEvaluationApp.class`, `dataList.txt`, `FormPanel$1.class`, `FormPanel$2.class`, `FormPanel$3.class`, `FormPanel.class`, `HeaderPanel.class`, `MenuItemListener.class`, and `OptionPaneExample.class`.
- Code Editor:** Displays the `CourseEvaluationApp.java` file. The visible code includes:

```
134 //handle button submit action listener
135 //view the input to output label
136 //and write to file
137 b_submit.addActionListener(
138     new ActionListener(){
139         public void actionPerformed(ActionEvent e){
140             //call method
141             message = new JFrame();
142             if(name.getText().equals("")){
143                 //handle button submit action listener
144             }
145             else if(matric.getText().equals("")){
146                 //handle button submit action listener
147             }
148             else if(isNullOrEmpty(code_se
149             )){
150                 //handle button submit action listener
151             }
152             else if(isNullOrEmpty(rb_sel
153             )){
154                 //handle button submit action listener
155             }
156             else if(isNullOrEmpty(cb_sel
157             )){
158                 //handle button submit action listener
159             }
160             else{
161                 if(printOutput()){
162                     writeInput();
163                     message = new JFrame();
164                     JOptionPane.showMessageDialog(
165                         message, "Course Code is not selected", "Alert", JOptionPane.WARNING_MESSAGE);
166                 }
167             }
168         }
169     }
170 );
171 //handle button clear action listener
```
- Course Evaluation Form Window:** A Swing window with a menu (Load Data, Exit), input fields for Matric No. and Course Code, radio buttons for Rating (1-5), checkboxes for Outcome (Basic Knowledge, Advanced Knowledge), and an Output text area.
- Console Window:** Shows the execution output:

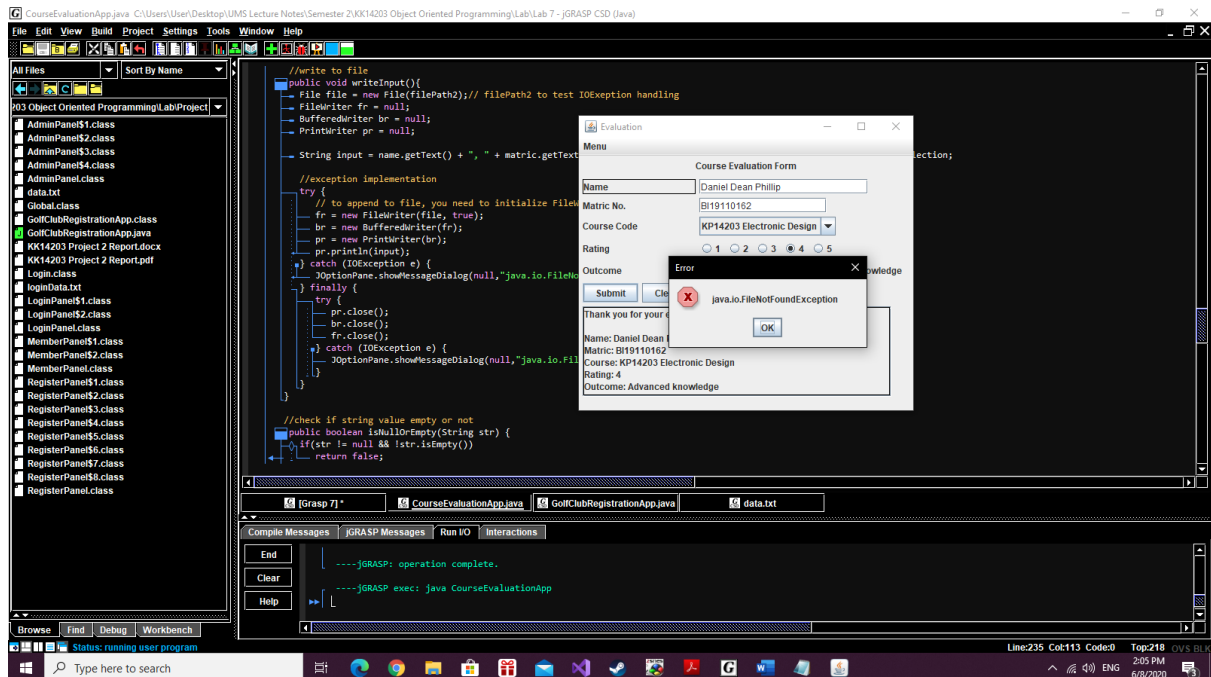
```
-----jGRASP: operation complete.
-----jGRASP exec: java CourseEvaluationApp
```

This screenshot shows the same IDE environment, but with the `Course Evaluation Form` window in a different state:

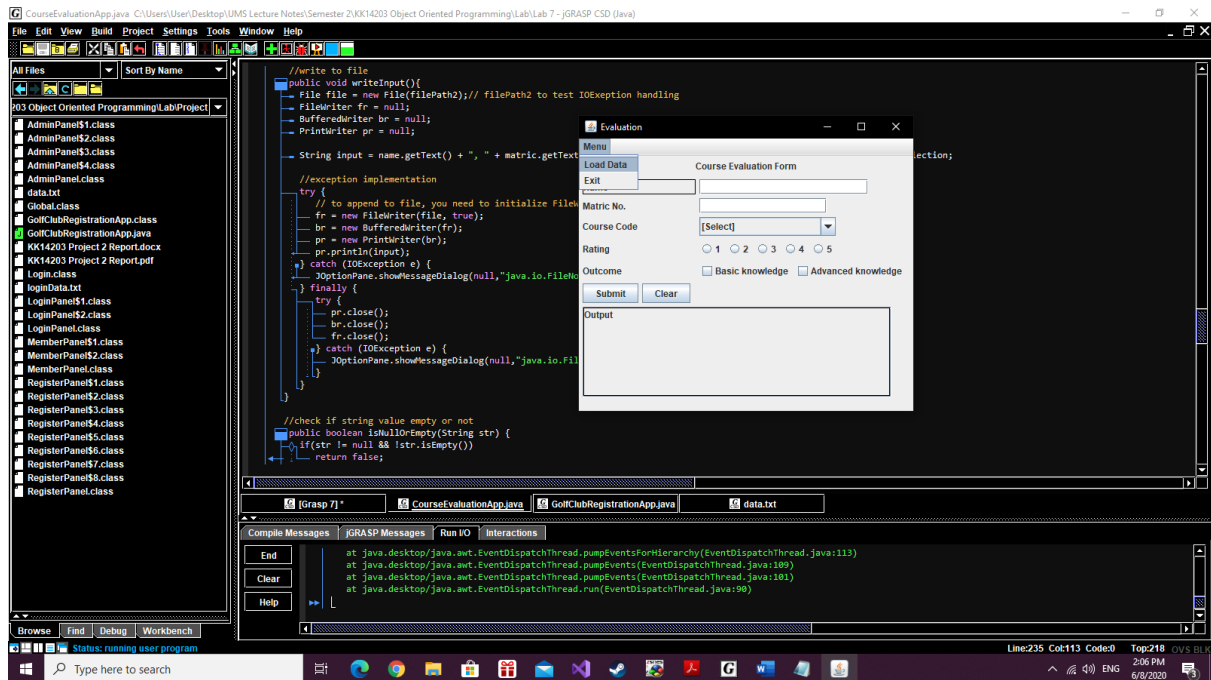
- Course Evaluation Form Window:** The 'Name' field is now visible and contains the text "Daniel Dean Phillip, BH19110162, KT20363 Fundamental C#, 4, Advanced". The 'Course Code' field is still empty. The 'Rating' radio buttons are still present, and the 'Outcome' checkboxes are also visible.
- Code Editor:** The code is the same as in the first screenshot, but the visible portion is slightly different, showing the `if(name.getText().equals(""))` condition.
- Console Window:** The output is the same as in the first screenshot.

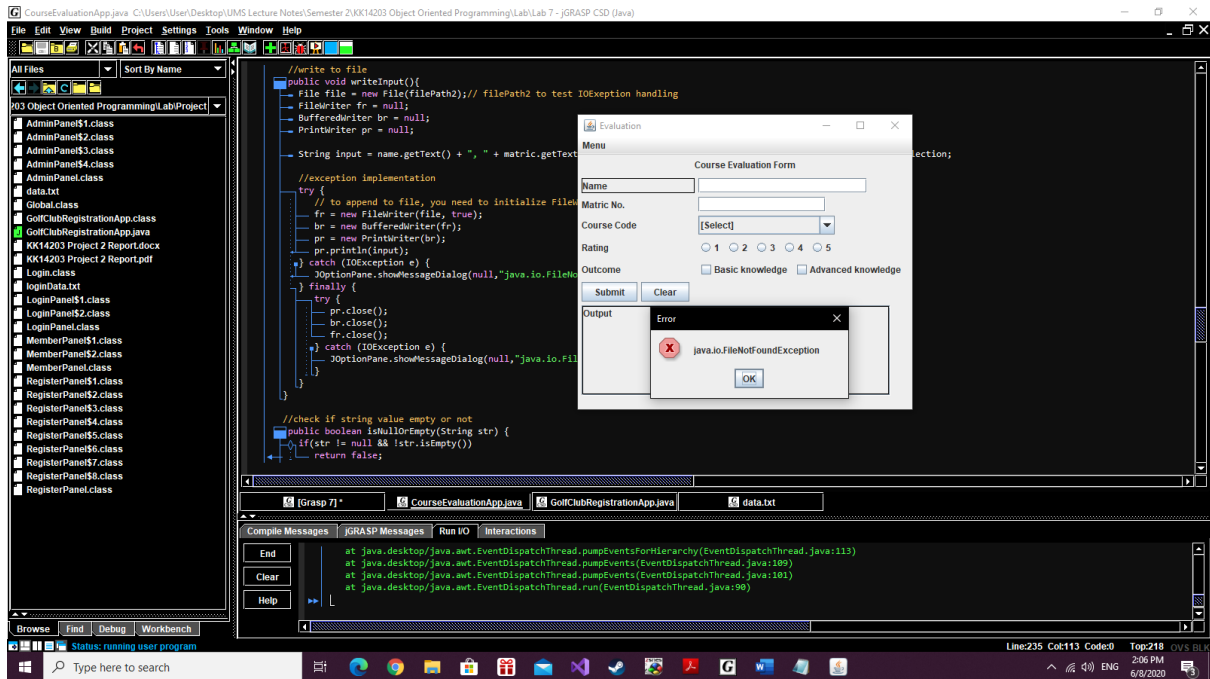
IOException Handling:

Error message pop out when trying to write data to a non-existence text file.



Error message pop out when trying to read data from a non-existence text file.





Menu Exit Confirmation Dialog Message:

