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* Final Project Required Stuff.

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* @version CS162 Final Project, 06/06/2017

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Final Project Criteria

1. Your project must implement a GUI to run your application.
 - a. BoardGUI
2. Your GUI must have proper layouts.
 - a. BoardGUI
 - i. BorderLayout(Lines 54, 57, 66, 90, 97)
 - ii. GridLayout(Lines 69)
 - iii. GridBagLayout(Lines 118 – 156 (+))
3. Your GUI should have a distinct look and feel.
 - a. BoardGUI
4. You must use a variety of components. At least 3 out of the following list
 - a. Button
 - i. BoardGUI(Lines 70 – 81)
 - b. Slider
 - c. Progress Bar
 - i. BoardGUI(Lines 92 – 97 (+))
 - d. Spinner
 - e. Radio Buttons
 - f. Check Boxes
 - g. Popup Menu
 - h. Color Chooser
 - i. BoardGUI(Lines 59 – 61)
 - i. Other (check with me if you have other ideas)
5. You need a menu bar with at least one menu and two menu items.
 - a. BoardGUI(Lines 166 – 255)
6. You must use at least one text component.
 - a. BoardGUI
 - i. JTextField(Lines 82 – 89 (+))
 - ii. JTextArea(Lines 63 – 66 (+))
7. You must implement file I/O.
 - a. BoardGUI(Lines 327 – 363)
8. You must use try catch blocks and write at least one Exception class that is used by your project.
 - a. Try-Catch Blocks
 - i. BoardGUI(Lines 73 – 78, 283 – 309, 329 – 344, 354 – 362)
 - ii. Words(Lines 52 - 70)
 - iii. Game(Lines 105 – 123)
 - b. Exception Classes

- i. NoAnswerException
 - ii. NoNegativeAnswersException
 - iii. NoDecimalAnswersException
 - iv. NoDividingZeroException
- 9. Use inheritance and include either one abstract class or one interface.
 - a. MathQuestion(Abstract Class)