

Project – CSD213 OOP

For this project assignment, you will solve a variety of problems based on what you have learnt in this course.

Instructions

- Assignment submitted after the due date will not be evaluated and a score of zero will be awarded.
- Properly document/comment your code as desired.

Due Date and Time: 11:59 pm, December 05, 2024.

Submitting this Assignment

You will submit (upload) this assignment in Blackboard. Email submissions will not be accepted. All students must upload their project individually. Follow the given below instructions strictly to avoid any penalty.

- **You need to have a Main file, when executed should display the text editor**
- **Submit Java files not class files**
- **Make sure the code is compiling**
- **Zip all the files together**
- **Name this document (the zip file) as Project_CSD213-2024_John_Bill.doc in case your first name and last name is John and Bill respectively.**

Grading Criteria

This assignment has 10 points (with weightage of 5% in your overall 100 points). Points will be awarded as follows:

- (a) Functionality – 5 points**
- (b) Look and Feel of text edit functionalities and their implementation – 5 points**

Project Problem

Develop a Text Editor in Java that will make use of Swing components and Java Collections Framework to implement several text edit functionalities as follows:

1. Type a document and save it as a file of certain type.
2. Load the document again from the location where it was saved.
3. Edit the document's text by developing the following features in your text editor:
 - (a)** Cut, copy, paste
 - (b)** Change font type, size and case of selected text
 - (c)** Find, Replace, and Replace-All functionality for a particular word in the document
 - (d)** Count and Print total number of words and characters of selected text.
4. Insert any 5 basic geometric shapes in the file and control its size by using mouse motions.

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