

CS 212 – Fall 2023 – Project 3

Assigned: 8 November 2023
Due: 20 November 2023
Cutoff: 25 November 2023

Create a File Menu in your GUI

Add a file menu to your Date212GUI with options to open any file for reading (and displaying the file as in Project 2), and one to Quit the program. You will need a FileMenuHandler class to handle the events from the FileMenu. Be sure to use `getAbsolutePath()` when getting the file from the JFileChooser, not `getName()`.

Handle Exceptions

Create an exception called `IllegalDate212Exception` (by extending `IllegalArgumentException` as shown in lecture) and have the constructor of the Date212 throw it. Use a try/catch statement to catch this exception in your program, and show the erroneous Date212s in the console as usual.

Use ArrayLists

Use an ArrayList to store the unsorted and sorted Date212s. You can use the `Collections.sort()` method to sort the ArrayList rather than selection sort. (Check the tutorial under Lectures and Readings on Blackboard.)

Create a jar file called **Project3.jar** and submit that to Blackboard by the due date for full credit. Be sure your jar file contains .java files, not .class files.