CSCI/CSIS 602 Code Review Form

Your name	Deborah Rogina
Who are you reviewing?	Chris Cargile
Project Phase #	1
Describe the change	#3: Add Mark All to the Search menu that adds line markers to lines with matching text.
What is the status of the change? (Working and complete/Partially working/Not working)	Partially working.
If the code is incomplete or not working, what still needs to be addressed in the code?	The Mark All selection is available in the Search menu, but when searching for text, and then hitting Mark All, it turns all of the line margins light green and lists all lines in the Markers menu, not just the lines with matching text.
Working or not, describe any code concerns or ways to improve (see checklist). Be specific with file names and line numbers so your suggestions can be implemented easily.	• In **SearchAndReplace** line 429, int *i* is declared but never used. Also, on line 430, it should check if *matches* is null before checking its length. In the same class, the **markAll()** method could include more detailed comments. • The **findAll()** method called on line 428 of **SearchAndReplace** is returning all or none of the lines regardless. I think the root of the problem is located on line 474. The String variable *line* needs to be set within the loop not in the initialization section of the for loop. Since *line* is being set in the for loop initialization, it is only set once and therefore will always return all or none of the lines. • Likewise, **findAll()** could include more comments or be more spaced out to enhance readability. • On line 466, *fileset* should be checked for null value. • On line 467, there may be a possibility for a NullPointerException thrown on files. It should be *files!=null* instead of *files[0]!=null*. • On line 454, *text* is being checked for null value, but it is also checked as part of the if-else condition on lines 471 and 489. The latter checks are redundant. • On line 460, the variable *textArea* is initialized, but never used. • On line 462, the variable *i* is initialized. It makes more sense for that to be initialized on line 474 inside the for loop declaration and then declare a different counter variable, like *j*, on line 483. • On lines 476 and 484, there is no need to cast the variable *i* because Java will automatically convert primitives and their wrappers through unboxing / autoboxing.