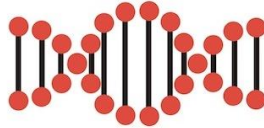


Guidelines for the Intern

Heme Biotech



Mission: Fix and clean the code

In [the code](#), you'll see a few files:

- ***Symptoms.txt*** should be read into the program. These are the symptoms, or rather, side effects that patients in the study exhibited when testing one particular medication.
- ***AnalyticsCounter.java*** is the work Alex did.
- ***ISymptomReader.java*** and ***ReadSymptomDataFromFile.java*** are some sample files where I tried cleaning up different parts of the program. I ran out of time, but you can take a look and use them as inspiration for your solution.

Alex has run into trouble with *AnalyticsCounter.java*. See if you can figure out the bugs and fix them. Here are some things I've noticed; there are surely others:

- No proper treatment of exceptions.
- Not closing resources.
- Overlapping variables.
- His coding approach is not going to work long-term. We don't know all the symptoms we're likely to find. Try to rewrite it to be reusable no matter how many new symptoms we need to track.

Alex has not followed our coding standards (which makes sense since he's not a developer), but I expect the code you generate to do so. For example:

- ❖ We use Javadoc as a comment header for each function, so add those. You can look at what I've done on *ISymptomReader* and *ReadSymptomDataFromFile*.
- ❖ Some of Alex's comments don't make the code any clearer. For example, he initializes *i* with 0 then comments, "initialize to 0." That kind of comment doesn't help. Remove those you feel aren't needed.

- ❖ Your code should also follow good object-oriented principles. Alex's code is one long function. It needs to be broken up. I started to do that with the SymptomReader stuff. Go ahead and make new classes as you see fit, or move the functionality into their own methods.

For projects like this, we tend to use the Gitflow workflow here. Make sure to experiment using your local repo and create new branches for each successive code version. I'll check your work on your release branch. Also, please clean up your commits and branches before showing me your code; it should be streamlined and readable.