Assignment 4 – Pair Programming Project

Assignment description

This assignment builds on the requirements for Assignment 3. In order to complete this submission, you can either utilize your own Assignment 3 or you can utilize the solution that the instructor will provide.

First, modify the main function so that it will accept up to 3 objects of type Person or that inherit (directly or indirectly) from this type. The 3 objects should be stored in an array. The user will then be able to enter the data for each object. Do the same for 3 objects of type Medicine or any of the classes that inherit from it.

Next, go back to the requirements of Assignment 2 and make sure you implement any business rules that were not implemented so far. For example, when you enter a prescription, you can check if the ID of the person who prescribed it is already present in the first array.

Documentation: comment each relevant part of your code, and follow Javadoc guidelines where appropriate.

It is mandatory that any potential vulnerability now goes through some type of exception-handling. Making your program "fail gracefully" is not an option any more but a requirement.

Notes

The example above will work properly only for integers. To accept other types you will have to change the code slightly, to match the data type.

The name of the class containing your *main* function should be *Assignment4*. The name of the package containing your project should be *assignment4*.

Turn in

Turn in any .java files you have created for this assignment. Please make sure that you only turn in the files with the ".java" extension, and not the ".java~" or ".class" ones.