Assignment 5 5/31/2023

Implement the next release of your term project, employing *concurrency* if concurrency can fit; otherwise create a different project with concurrency. The same instructions apply as before to this completed Word document, the gray text, the 5 page limit, appendices, JUnit tests, and a ReadMe file. As usual, copying someone else’s application without clear attribution is plagiarism, and will be subjected to the College’s academic conduct process.

## 1 SUMMARY DESCRIPTION

One- or two-paragraph overall description of your proposed term project. Color red the parts changed from Assignment 2, if any (all in red if this is a separate application).

The Personal Health Information (PHI) app is a comprehensive solution designed to assist users in monitoring and managing their personal health. It allows users to create an account, securely log in, and track various health metrics such as BMI, blood pressure, and cholesterol levels. The app enables users to input and store their health data, providing a user-friendly interface for seamless data entry and updates. The app provides a user-friendly interface for adding and managing health data, making it easy for users to enter and update their information. It also offers the option to create custom health entries, where users can record specific health issues or concerns and add notes to track their progress.

With a strong emphasis on privacy and data security, the app ensures that each user has full control over their health information. Users can choose to keep their data private or share it with healthcare professionals or family members as needed. The app has the potential to not only prevent unwanted future health complications, but also act as a motivator to keep the health in track. Overall, the Health Tracker app provides a convenient and centralized platform for users to monitor and maintain their personal health records, empowering them to make informed decisions about their well-being.

### >>AI generation OR check: *I did not use AI generation here* \_\_(Collapse section before submitting.)

PARAGRAPH DESCRIBING YOUR VALUE ADDED TO THE AI-GENERATED MATERIAL

MY PROMPT SEQUENCE (ONLY)

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CODE OR TEXT PRODUCED BY THE ABOVE PROMPT SEQUENCE

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## 2 ADDITIONAL REQUIREMENTS (FEATURES) IMPLEMENTED IN THIS RELEASE

Title and one or two sentences per requirement. Don’t repeat requirements implemented for prior assignments unless they are necessary to provide context—in which case, make it clear they are old.

### 2.1 Your title replaces this. (NEW/OLD)

Your response replaces this.

### 2.2 Your title replaces this. (NEW/OLD)

Your response replaces this.

### 2…. more as needed

### >>AI generation OR check: *I did not use AI generation here* \_\_(Collapse section before submitting.)

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## 3 I/O SUPPORTING THE NEW REQUIREMENTS LISTED ABOVE

Provide an example of input / output showing the new features of your application.

### Input

Your response replaces this.

### Input / Output

Your response replaces this.

## 4 YOUR DIRECTORY

Show a screenshot of your directory. Include your “.dat” files (where objects are written). This should include JUnit tests—class-by-class, and method-by-method, except for trivial and inappropriate ones.

Your response replaces this.

## 5 DESIGN

Supply a main use case, the class model, and the sequence diagram corresponding to the use case. These should be consistent. Indicate in red your class model where you applied object read, object write, streams and lambdas. Excellent assignments will typically include the use of Java FX (speak to your facilitator first if you wish to use alternative API’s) and event-driven programming.

Your response replaces this.

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## 6 CODE SNIPPETS

### 6.1 Code showing where concurrency is *defined*

Your response replaces this

### 6.2 Code showing where concurrency is *used*

Your response replaces this

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## 7 YOUR CODE

Unless your facilitator arranges another method, copy your Eclipse project to your file system, zip it, and attach it to your Blackboard response. Please contact your facilitator in advance if you require an exception.

Your response replaces this.

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## 8 Evaluation

