**Team 14 Verification and Code Review**

**Sprint 5**

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# Code Review Strategy

Each team member is responsible for a part of code. We do code review regarding the code’s functionality, syntax, style and architectures.

# Code Review Checklist

* Is the code it easy to understand?
* Does the code do what it’s supposed to do?
* Is there dead-code or debug statements?
* Are exceptions and errors handled appropriately?
* Is the documentation good enough?
* Are the naming conventions appropriate?
* Is there a lot of bad copy and pasted code?
* Are constants used when possible?
* Does the code correspond to our original design?
* Does the code follow SOLID principles?
* Consistent use of whitespace?

# Code Review Summary

## Christian

Code Review Summary of:

*src/main/java/com/devlopp/teq/databasepreset/DatabasePresetQuery.java*

Code is easy to understand and requires little commenting and is commented where needed. Doc string is complete and well done mostly, some of the more complicated variables like serviceType, should be better name or documented to better represent what you want as we have a value in the DB with the same name representing something different. The code does with is needed, except some function need to be able to be more specific, for example get age range, should be able to be specified based on their location or some other factor. There is no bad use of copy and pasting code nor magic numbers, Formatting and indentation is appropriate. There is no dead code and white space is used appropriately. Code follows SOLID well, except perhaps splitting some queries based on single responsibility principle.

## Zifan

Code Review Summary of:

*src/main/java/com/devlopp/teq/databasepreset/DatabasePresetQueryHelper.java*

The code is well formatted, meeting indentation and whitespace standards and free from parse errors. The code did what is supposed to do. It includes helper functions to help the implementations in *DatabasePresetQuery.java* effectively. These helper functions are necessarily included in this class. It is nicely commented and can easily understand. I think overall this part of code is good because they are correct and effective solutions for the project requirements at hand.

## Jeffrey

Code Review Summary of:

*src/main/java/com/devlopp/teq/p*

*src/main/java/com/devlopp/teq*

*src/main/java/com/devlopp/teq*

Code

## Kelvin

Code Review Summary of:

*src/main/java/com/devlopp/teq/security/PasswordHelper.java*

*src/test/java/com/devlopp/teq/service/MockService.java*

*src/test/java/com/devlopp/teq/service/TestService.java*

The code is easily understandable, performs as expected and commented well. The names of the functions explain what they do. Exceptions are handled properly by a try and catch statement. Docstrings explain the function of the code and functions are small (less than 10 lines). Good use of mock objects for testing. No dead code other than one unused import statement in TestService.java.No copy and pasted code, and spacing is consistent throughout. Follows SOLID principles where a class only performs a single function. Performs as required according to our original design.