Clean Code Development – Cheat Sheet (Vipin Singh)

1. Don't repeat yourself (DRY)

Extract methods of repeating code snippets or store repeating strings in constants.

2. Keep it simple stupid (KISS)

Write rather simple functions that only fulfill one task and avoid complex code that is difficult to maintain by others.

3. You aren't going to need it (YAGNI)

If the functionality is not necessary, then don't waste time on it. Be efficient.

4. Code should be self-explanatory.

Code should be understandable without having to read through comments. This is done by having descriptive function names and KISS (see point 2). That doesn't mean comments are useless!

5. Separation of concerns

Separate different domains of the project. Keep similar functionality close by another.

6. Follow conventions.

Common design patterns have a clear structure that are known among developers. (MVC, Observer, Decorator, etc.)

7. Choose "good" names.

Names should always be descriptive and unambiguous.

8. Don't use magic numbers.

Store numbers in named variables or constants with descriptive names.

9. Be consistent with your coding style.

Everyone has a unique coding style, staying consistent within your own style makes life easier.

10. Keep the number of arguments to a function as low as possible.

If needed encapsulate function arguments into an object with a good name according to point 7.