Clean Code Cheat Sheet

These are some of the general rules for clean code development. By following them, you will make code easier for yourself and for others to understand.

Golden Rules:
1. Readability. The code should be easy to read and understand for others (even for yourself).
2. Keep it simple. Always try to avoid unnecessary complexity.
3. Be consistent. Maintain consistent naming conventions and structures in the code.
4. Avoid duplication. This includes functions or classes for example.
5. Documentation. Explain as much as you can by writing comments and notes on WHY something is done.

More rules:
- Naming conventions:
  - Use descriptive names when naming variables.
  - Use verbs when naming functions.
- Design of functions:
  - Every function should do only one thing.
  - Keep functions short. If necessary, break it into smaller functions.
  - Use clear and meaningful parameter names.
- Structure:
  - Organize your code into modules.
- Error handling:
  - Use exceptions for error handling.
- Comments:
  - Use docstrings to explain the functions and classes.
  - Include why is important for the code.
- Testing:
  - Write unit tests for the functions and classes.
  - Use frameworks like "unittest" to organize the tests.