

CODING STANDARDS DIAGRAM

CONCRETE PASS



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INTRODUCTION

This coding standards diagram visually outlines the essential coding standards, including naming conventions, Git practices, code structure, testing, documentation, code review, and security considerations. It serves as a quick reference to ensure consistency and quality in our code.

VARIABLES / FUNCTIONS / METHODS

Using Camel Case

int thisIsAVariable;

Use Descriptive names

CLASSES

Use Pascal Case

class ThisIsAClass

Use Descriptive nouns

CLASSES

HEADER:

CLASSES

SOURCE FILES:

FILES/MODULES

They should be named using Pascal Case

GIT STANDARDS

COMMIT MESSAGES

- Commit Messages should be clear i.e., Write clear and informative commit messages that succinctly describe the purpose of each commit.
- Use the imperative mood (e.g., "Add feature" instead of "Added feature") for consistency.
- Reference issues or pull requests related to the commit by using keywords (e.g., "Closes #123" or "Fixes #456").

GIT STANDARDS

DOCUMENTATION

 Maintain a comprehensive README file with project information, setup instructions, and usage guidelines.

PULL REQUESTS

- Create a pull request for each feature, bug fix, or code change.
- Provide a meaningful title and description in the pull request.
- Assign reviewers and use labels to categorize and prioritize pull requests.
- Conduct thorough code reviews for all pull requests.

CODE STRUCTURE

DOCUMENTATION

Use Doxygen to generate detailed documentation

```
multi-line comments).
class MyClass {
public:
    int myFunction(int parameter1, int parameter2);
    int performAction(int input);
};
```

DOCUMENTATION

```
// ReadMe Files:
// - Provide guidelines for creating comprehensive project documentation in
// - Include an overview of the project, setup instructions, and usage guid

# My Project

This is a description of my project.

## Getting Started

To get started, follow these steps:
1. Step 1
2. Step 2

## Usage

How to use this project:
1. Usage 1
2. Usage 2
```

SOURCES

https://google.github.io/styleguide/cpp guide.html