

CODING STANDARD FOR SCHEDOOL

General Standard

- Use English variables, functions, comments.
- Keep functions **small** and focused.

Comments

- Avoid obvious comments (e.g. `let count = 0; // set count to zero`)
- Use comments when code is complex or non-obvious.
- Update or remove comments if code changes (no stale comments).
- Each file and function should start with a short description: Written by, Modified by, with timestamps, and briefly details of that file.
- Use **TODO**: for unfinished work.

Names

- Use **snake_case** for database entities and columns
- Use **camelCase** for variables and functions.
- Use **PascalCase** for classes.
- Use **UPPER_CASE** for constants.

Formatting

- Always use space between expression (`a + b = c`, not `a+b=c`).
- Use **tab** for indentation.
- Use **section headers** (`// -----`) to break code into chunks.
- Follow the **Kernighan & Ritchie (K&R) style**.
 - Opening brace `{` stays on the **same line** as the control statement or function.
 - The closing brace `}` goes on its **own line**, aligned with the start of the statement.
 - **else** and **catch** keywords appear on the **same line** as the closing brace.
 - Indentation is **1 tab** inside each block.

```
If (.....) {  
    [code inside]  
} else {  
    [code inside]  
}
```

Error handling

- Wrap async code with `try/catch`.
- Print/log clear error messages.

Database

- Always use **parameterized queries** or **ORM**.
- Keep schema definition in version control.
- Keep database logics grouped in one module.