

Coding Standards

1. Code Style Rules
 - a. Use semicolons whenever possible
 - b. Use the included formatter/syntax fixer
 - i. npm formatter
2. Comment
 - a. Use three forward slashes before comments for documentation (///)
 - b. Use two forward slashes before comments for code comments (//)
 - c. Place comments above the line(s) of interest
 - d. Don't need to make too detailed or too many comments
3. Typing
 - a. Use explicit types to function parameters and variables whenever possible
 - b. Add keyword "const" as needed
4. Error handling
 - a. Use assert statements for ensuring private functions' correctness
 - b. Raise an exception in the event of an error or unexpected values
5. KISS - Keep It Simple Stupid
 - a. Keep each function clean and readable
 - b. Factor away complexity as needed into well named functions
 - c. Well named variables
6. Unit Test Naming Convention
 - a. frontend:
 - i. descriptions start with function name and what its testing
 - b. backend:
 - i. file called functionName.test.js
 - ii. descriptions include function name and what its testing