Coding Standards

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