Coding standards

JavaScript Coding Standards

1. Code should follow ES6 Syntax, see link for reference: https://www.w3schools.com/js/js_es6.asp

> ℹ️ Style Guide Reference: Airbnb Javascript Style Guide and Setup Tutorial
>
> Easiest way to conform to the coding standards is to setup the `ESLINT` and configure it using `Airbnb` config file.

References

1. Use `const` for all your references; avoid using `var`.
2. Use `let` instead of `var` to reassign references.

Indenting

1. Every block of code is indented using 2 spaces.
2. No block of code should end with trailing whitespaces.

Camel Casing

1. All variable and function names should start with a lowercase letter, and subsequent words must be capitalized.
2. There must not be any underscores between words.

File and folder Organization

1. Frontend: Domain Driven Structuring
2. Backend:
   a. Files organization: Files arranged under corresponding folder to agree with Model View Controller design pattern
3. Database: Collection name based on the entities present in domain model

Testing

1. Unit testing:
   a. Frontend: Manual testing on elements or using a test runner like jest.
   b. Backend: Test each endpoint using POSTMAN
   c. Database: Test whether documents are stored correctly after a post/put/delete request, Use MongoDB Compass and connect it to MongoDB Atlas Cluster and verify.

2. Integration testing:

   Test the app from Frontend Backend Database for a new feature implemented.

Commenting code

https://stackoverflow.blog/2021/07/05/best-practices-for-writing-code-comments/

1. Add a comment before a function to describe what the function is does when called with the parameters.
2. Provide links to the original source of copied code
3. Add comments when fixing bugs