

# Coding Standards

## Git

- Commit messages should start with an uppercase letter.

## Documentation/Comment

- Major classes should have documentation briefly describing its function.
- Simple helper classes need not be documented.
- Important arguments or the return value should be mentioned for each method so that others can use the code without reading through it.

## Class, Function, and Variable Naming

- All names should be descriptive.
- Classes should begin with a capital letter.
- Functions or methods or variables should begin with a lowercase letter.
- Words in Naming should follow the CamelCase convention.

## Java

- Proper documentation for all methods and important classes.
- A Controller class must not access the repository directly, instead, delegate this to Service classes.
- Comments should be brief and to the point. Comments above a code section begin with `//` or `/**`. Comments at the end of a line beginning with `//`, with 3 spaces put before.
- Two successive methods should be separated by one empty line.
- Put one empty line to separate code sections if needed.
- The method should not be too long or too short.
- A line should be less than 80 characters. If a line is too long, break this line into two lines, and the second line should be indented by 8 spaces, or align with `“, (, etc.`
- Other indentation puts 4 spaces.

## JavaScript

- Proper documentation.
- Comments should be brief and to the point. Comments above a code section begin with `//` or `/**`. Comments at the end of a line beginning with `//`, with 3 spaces put before.
- Two successive methods should be separated by one empty line.
- Use 2 spaces indentation.
- A line should be less than 80 characters. If a line is too long, break this line into two lines, and the second line should be indented by 8 spaces, or align with `“, (, etc.`
- Put one empty line to separate code sections if needed.
- space should be around variable assign and equality, for example, `const friends = this.state.`
- space should not be added around the properties of a tag, for example, `<div className="col-7" id="column-left" style={{ paddingTop: 80 }}>`
- .js file should start with a capital letter like: `HomePage.js` and the .jsx file should start with a lowercase letter.