BITBYBIT

COS301: SOFTWARE ENGINEERING

TWITTER SUMMARISER: CODING STANDARD

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1 Coding Conventions

These coding standards have been put in place to provide uniform and readable code

1.1 Naming conventions

1.1.1 Variables and functions

The naming convention used for variables and functions is camel case.

1.1.2 Backend files

These file names are written with the camel case convention.

Any service scripts start with the name of the service and and with the .service.ts

```
*.service.ts
```

The file names where the different Lambda functions are defined is

```
handler.ts
```

The file names where the API endpoints are defined is

```
index.ts
```

1.1.3 Frontend files

These file names are written with the pascal case convention

1.2 Whitespace Syntax

1.2.1 Tabs

The tab size used for all typescript files is 4

- Each nested block must be indented

1.2.2 Spaces

- There must be a space after every comma and assignment token

1.2.3 Line breaks

- Line breaks inside the declaration of object variables is recommended

- All opening braces for function declarations must start on the same line as the function declaration, and all closing braces must be on a new line.

2   File Structure

```
.dynamodb
   DynamoDBLocal_lib
.esbuild
   .build
      src
         functions
            creator
            editBlock
            generateReport
            report
            resultSet
            search
   .serverless
.github
   workflows
client
   coverage
      lcov-report
         src
            components
               CLReports
               DraftCard
               Drafts
               Explore
               GenReport
               History
               HistoryCard
               Home
               HomeTweet
               Landing
               Login
               Logo
               Navigation
               PageNotFound
               Profile
               Reports
               Shared
               Signup
               Splash
               Text
               Tweet
               ViewHistory
   public
      assets
   src
      components
         CLReports
         DraftCard
```

```
                    Drafts
                    Explore
                    GenReport
                    History
                    HistoryCard
                    Home
                        __tests__
                    HomeTweet
                    Landing
                        __tests__
                    Login
                        __tests__
                    Logo
                        __tests__
                    Navigation
                        __tests__
                    PageNotFound
                    Profile
                    Reports
                        __tests__
                    Shared
                    Signup
                        __tests__
                    Splash
                    Text
                    Tweet
                    ViewHistory
        coverage
            lcov-report
                model
                services
        src
            functions
                clients
                creator
                editBlock
                generateReport
                report
                resultSet
                search
                trending
                __tests__
                    inte
            libs
            model
                creator
                report
                reportBlock
                resultSet
                searchConfig
```

```
        textStyles
        tweet
    services
        __tests__
    __mocks__
tools
    scripts
```