

PROJECT STRUCTURE GUIDELINES

Project Folder Structure

- node_modules
- public
- src
- .gitignore
- package-lock.json
- package.json
- readme.md

node_modules

- holds all the build scripts from react and node.
- holds all the dependencies required by the app.

public

- folder used to store all the public files from the project.
- public files can be referenced directly from the browser.

src

- holds all the scripts that is required by the project.
- all the private components and other private scripts are stored here.

package-lock.json

- this file is used to keep track of all the installed modules required by the app.
- this file is not editable.

package.json

- this file is used to keep track of all the dependencies and libraries required by the app.
- this file can be edited.

README.md

- this file is used to store a brief information about the app.

public/favicon.ico

This is the icon of the application.

public/index.html

- This is the file that is queried by the browser when this app is opened.
- It is the file from which all other DOM components are loaded from.

public/manifest.json

- This file is used to store the app information like app_name, short_name, icons, theme and colors.
- It is the file that makes this project installable on phones

public/robots.txt

- This file is used to store all the information about the app that will be used by search engines.
- It can be used to store private routes or routes that should not be included in the search engine.

src/App.css

- This css file is used to store the style rules for the app.
- It is loaded from the App.js component file.

src/App.js

- This is the file that contains the first component that is called when the app first loads.
- This file is the heart of the project.

src/App.test.js

- This file hold the test script that is associated with App.js component.

src/index.css

- This file holds all the root css rules.
- It is loaded from the index.js file.

src/index.js

- This is the file that is called first when the app runs from react scripts.
- It is the file that in turn calls the App.js component.

src/logo.svg

- This is the logo that can be used in the project.

src/NetworkConnections.js

- This file holds the method that is used to perform all the network request from the app.
- ### methods
- ### fetchMoviesFromDatabase()
 - This is the method that is called to perform all the network request of fetching movies.

src/Components

- This folder is used to keeps all the custom components of the project.
- Its is good practice recommended by React developers to rename this folder this way.

src/Components/LandingPage/LandingPage.js

- This is the file that stores the component that is used to render all the movie data.
- It houses all the other sub components displayed on the page.

src/Components/LandingPage/LandingPage.css

- This file holds all the styling rules used to style the LandingPage script.

src/Components/MovieGenre/MovieGenre.js

- This file is used to render all the movie genres types to the browser
- It calls the fetchMoviesFromDatabase method which return the movie categories from the database.

src/Components/MovieGenre/MovieGenre.css

- This css file is used to store all the css rules required to style the MovieGenre Component.

src/Components/MovieList/MovieList.js

- This component is used to host all the movies from a single category.

- This is also the component that is responsible for rendering the pagination buttons on each category

src/Components/MovieList/MovieList.css

- This css file is used to store all the css rules required to style the MovieList component.

src/Components/Search/Search.js

- This component is used to render the search bar and the search form on the UI.
- This is the component that enables an individual to search for a specific movie.

src/Components/Search/Search.css

- This css file is used to store all the css rules that is used to style the search bar.

src/Components/SingleMovie/SingleMovie.js

- This component is used to render a single movie to the DOM.
- It is a reusable component that allows us to use one component to render multiple movies.

src/Components/SingleMovie/SingleMovie.css

- This css file is used to store all the rules required to style the single movie component.

src/Components/TVShows/TVShows.js

- This component is used to render all the movies that belong to the TV shows category.

src/Components/TVShows/TVShows.css

- This file is used to store all the css rules used to style the TVShows component.

src/Images

- This folder is used to store all the images required by the project like logos and icons