

REACT

LESSON 3 – FOLDER STRUCTURE

CO2214 - PRACTICAL WORK ON CO2224

React Folder Structure

- In the hello-world folder you can see in the root level there are three folders and 4 files.

4 Files

1. Package.json

- ✓ This file contains dependencies and scripts, you can see that the version of react, we also have few scripts to start, build, test and eject the applications.

2. package-lock.json

- ✓ It is simply ensure consistent installation of dependencies.

3. .gitignore

4. README File

3 Folders

1. node_modules

- ✓ This is the folder which all the dependencies are installed.
It is generated when you run the create-react-app command or when you run npm install.

2. Public

- I. This folder contains three files. Out of the three manifest.json is concerned with progressive web app which is out of scope of our discussions.

- II. favicon.ico

III. index.html

- ✓ So as a beginner you only have to concentrate on the index.html.
- ✓ This is the only html file you going to have in your application. You building single page applications and it is it.
- ✓ The view might dynamically change in the browsers, but it is this html file that gets saved up.
- ✓ Typically, you are not going to add any code in this file. May be some changes in the head tag, but definitely not on the body tag.
- ✓ You want to react to control the UI, for that purpose we have one div tag with id="root", at one time the react application takes over the div tag and it is ultimately responsible for the UI

3. Source Folder (src)

- ✓ This is the folder you will working with the most during development.
- ✓ The Starting point of our react applications is index.js
- ✓ in index.js it's specified the root component which is app component and the DOM element which will be control by react. The DOM element in our example is an element

with id of root. If you can recollect this is the element which is in our index.js file.

- ✓ For the hello-world application the App component is rendered inside the root DOM node.that brings us to the APP component which is present in APP.Js
- ✓ This is also the file it is responsible html displays in the browsers, in other words the app component represents the view which we see in the browser.
- ✓ with app.js create react app also generate the .css file for styling and App.test.js file for unit tests.
- ✓ The css files contains classes which have applied in the app component and the test file contains simple test case.
- ✓ In the index.css file which apply styles to the body tag and logo.svg which is reference in the app component.