Day 2

what is npm?

it is public large database of js

it is a package manager for javascript runtime node.js.

it is popular package manager for js developers to make use of the so many packages

what is webpack/parcel?

bundlers(webpack/parcel) takes the code and make it into smaller, performance-efficient files but in very small form. This will reduces size of our apps, helps better code execution, and optmize our app in web.

parcel will make our html,css,js files to smaller. and make bundle to help better exec.

what is .parcel-cache?

it stores the all info about the project when it builds inside the .parcel-cache.

when we build again, it only checks for changes since when it last ran, it will run that changes and it dependencies.

it keep track of all the files,plugins,dependencies for our app.

what is npx?

it is node package execute that runs the npm package without even installing it.

it is npm package runner when we install npm it(npx) will automatically install and execute the package from npm registry.

what is the diff b/w dependencies and devDependencies?

dependencies inside the package.json is useful for application ex:- react, react-dom

devDependencies is used during development, which is used to bundle our app ex:- parcel

what is tree shaking?

it is one of the mechanism that helps us to remove all unwanted code that is being used in our app

ex:- if we import React. there will be lot of methods of react will import into our app,

but with this it will only check the methods that are used throughout our app. and delete the unwanted stuff.

what is hot module replacement ?

it means if we change any component in our app and saves it. webpack will replace that module on the page without reloading the app.

what is .gitignore? why should we add and not add into?

it is file which is used to for declaring the unwanted files. so that it wont gets add to github.

there might be a large files/unwanted files/dist which is not needed for our app.

what is difference b/w package.json and package-lock.json?

package.json will store the info of our app like name,version,scripts, dependencies and devDependencies that are used for our app.

package-lock.json will describe the exact version of the packages that we are using in our app where package.json will only describes the package versions as generic ex:- ^ ~ using expressions.

package-lock.json will automatically update when we do npm install

what is nodu_modules? is it good idea to push it on git?

node_modules is a folder in our app which will store the all packages that we are define in package.json and its corresponding dependency packages.

it is not good idea to push it in github because it is consist of large files which stores lots of data.

so if we clone the repo which is not having node_modules, then for getting node_modules we just need to do npm i, so that it will check which packages are needed for our app in package.json and install the packages accordingly.

what is dist folder?

dist folder will compress and store the application code. it is used on production of our app.

it will also compress all the images and files into smaller.(compiled version of our code)

what is browserlists?

it is used to specify which browsers should support to our application

what is <noscript> tag in index.html file while using create-react-app?

<noscript> tag used to display the msg for which the users who disabled the script in their browsers or doesn't support the script. otherwise it wont show the msg to everyone.

Questions left

what is the role of manifest.json in react?

5 superpowers of parcel?

why we should not modify package-lock.json?