**React JS Tutorial**

We can control our computer through the command line in the terminal. Open Terminal on:

Windows 🡪 Start, All Programs, Accessories, Command Promt.

(Windows+R , then CMD)

Mac 🡪 Open the Terminal App inside Applications (Utilities)

(Command + SpaceBar, then Terminal)

**Some Keywords in Command Line(LINUX**): **$ + Command**

PWD 🡪 Shows full Pathname to Current Working Directory

Windows: (echo %cd%)

LS 🡪 List of Directories

Windows: (dir)

MKDIR 🡪 Create a new Directory or Folder

Windows: (mkdir “name”)

CD 🡪 Change Directory to the one Selected “cd desktop”

Windows: (cd desktop // cd Drag and drop folder)

CD.. 🡪 Change Directory one level Up “cd ..”

Windows: (cd ..)

CLEAR 🡪 Clears the Console

Windows: (cls)

Arrow Key UP / DOWN 🡪 Vemos comandos previamente hechos

**NPM Useful Commands:**

\*\*Create React App does mostly everything for us\*\*

* NPM Init 🡪 Creates the package.json (manifest) file, List dependencies.
* NPM Install 🡪 <package name> --save (saves the dependencies). Will install the package LOCALLY (default) and add it to package.json.
* NPM Install 🡪 <package name> -g. Will install package Globally (acces anywhere) SUDO.
* NPM Install 🡪 <package name> --save-dev . Used only when in development.

Ejemplo:

Creamos una Folder, cambiamos el Directorio a dicha Folder.

“NPM init” que nos hace poner un Package Name mas algunos paramentros en general. (versión, description, etc). Abrimos la Folder y vemos el Package.json. Lo vemos en VSCode que viene con Integrated Terminal.

“NPM install bootstrap” y vemos como Figura dentro del Package.json. **\*\*Si usamos Github, solo pushearemos el Package.Json, para luego en otra computadora correr el “npm install” que isntalará todo lo contenido en nuestro package.\*\***

**\*\* Todo esto será hecho por Create React App. De vez en cuando instalaremos algo Locally\*\***

**Create React App:**

Una vez tenemos el Directory con el Package.

Corremos en la Terminal:

**npx create-react-app my-app 🡪** (“my-app” = Name)

Esperamos que termine la instalación y…. vemos una lista de comandos útiles:

Npm Start 🡪 Start the development server. (Must be on the same folder)

\*\* En Windows hay problemas al corred los comandos, entonces utilizamos el NPM (by Florian Knop) que nos mostrará una barra debajo de todo, llamada “NPM SCRIPTS” donde eligiremos que comando correr\*\*

**Folder Structure:**

Node Modules 🡪 We have all Dependencies, when we set up our Source Control (GitHub) we will mostly Ignore it.

Package.Json 🡪 En caso de perder alguna Dependency deberemos correr “**NPM Install**”. Package.json depende justamente de Node Modules.

Public 🡪 We have our Index HTML, we wont use it a lot, but we can: Add Title, Google Font, Font Awesome Icons, etc. Tenemos la DIV ROOT. Todos nuestros JS estarán asociados allí mismo.

Build 🡪 We need to run the Script, as NPM Start. This folder we will deploy to Netlify

SRC 🡪 Source. Js, Css, Html were we will do some work.

App.js contiene todos los componentes.

Index.js contiene la App.js y la correrá en el Root.

Git Ignore 🡪File that specyfies which files we will ignore (node Modules, Build, etc).

Readme 🡪 Just contains information about our Project.

**Remove some Stuff:**

Delete in 🡪 SRC : All but Index.js y todo su contenido