Lab web - Vue.js

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Update Nodejs

Update nodejs

```
$ curl -sL https://deb.nodesource.com/setup_8.x | sudo -E bash -
$ sudo apt-get update
$ sudo apt-get install -y nodejs
```

install yarn

```
$ curl -sS https://dl.yarnpkg.com/debian/pubkey.gpg | sudo apt-key add -
$ echo "deb https://dl.yarnpkg.com/debian/ stable main" | sudo tee
        /etc/apt/sources.list.d/yarn.list
$ sudo apt-get update && sudo apt-get install yarn
```

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Vue.js - HelloWorld

https://vuejs.org/

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Vue.js - HelloWorld

Code Time !

Vue HelloWorld

```
$ cd w6/hello-vue
$ nano package.json
$ yarn install
$ more app.js
$ more index.html
$ yarn run dev
```

Watch WHY VUE.JS ? in https://vuejs.org/ and code !

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HelloWorld

vue-cli - HelloWorld

```
$ sudo yarn global add @vue/cli
$ vue create HelloWorld
$ cd HelloWorld
$ yarn serve
```

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Install nuxt & SSR

NUXT
Universal Vue.js Applications

https://nuxtjs.org/

nuxt & SSR

```
$ sudo yarn global add create-nuxt-app
$ create-nuxt-app Nuxt-HelloWorld
$ cd Nuxt-HelloWorld
$ yarn run dev

 To build & start for production:
$   yarn run build
$   yarn start
```

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Pokemon project

Client for Pokemon REST API

nuxt

```
$ git clone https://github.com/RN3r1/nuxtPokemonExample.git
$ cd nuxtPokemonExample
# install dependencies
$ yarn install

# serve with hot reload at localhost:3000
$ yarn run dev

# build for production and launch server
$ yarn run build
$ yarn start

# generate static project
$ yarn run generate
```

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Pokemon - Docker

Pokemon project running on Docker

Running container

```
$ git clone https://github.com/RN3r1/DockerNuxtPokemonExample.git
# install dependencies
$ yarn install

# serve with hot reload at localhost:3000
$ yarn run dev

# build for production and launch server
$ yarn run build
$ yarn start

# generate static project
$ yarn run generate

# generate Docker image
$ sudo docker build . -t <USER_HUB_DOCKER>/pokemon

# run Docker image
$ sudo docker run -p 80:3000 --name pokemon-container <USER_HUB_DOCKER>/pokemon
```

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Pokemon - Cloud Docker

Push to Hub Docker & more ...

```
# start container
$ sudo docker start pokemon-container

# list containers
$ sudo docker container ls -a

# inspect the container
$ sudo docker inspect pokemon-container

# connect to container
$ sudo docker exec -it pokemon-container bash

# stop the container
$ sudo docker stop pokemon-container

$ sudo docker login

# push your image to Docker Cloud
$ sudo docker push <USER_HUB_DOCKER>/pokemon

# remove container
$ sudo docker rm <USER_HUB_DOCKER>/pokemon
```