Installing yarn : npm intall –global yarn

Creating nextjs app: yarn create next-app

Free Readme generator: readme.so

import Head from 'next/head'

<Head> - used as head tag in normal html

import Script from 'next/script'

<Scirpt> - we can lazyload or different option available (add google analytics etc…)

import Image from 'next/image'

<Image> - optimized, lazyloaded (if not in view area, will not be loaded), etc…

* Enabling Emmet : setting -> Emmet include Language -> add, item:javascript & value:javascriptreact
* To apply css at global level, use it in \_app.js file, we cant use pure css type file in other js file.

Style Jsx

      <style jsx>

        {`

          .dummy{

            color:red;

          }

        `}

      </style>

Global level

      <style jsx global>

        {`

          .dummy{

            color:red;

          }

        `}

      </style>

NextJs uses 2 techniques for PreRendering

1.Server side rendering

2.Static site generation

**1.Server Side Rendering**

export async function getServerSideProps(context) {

    let data = await fetch('http://localhost:3000/api/blogs');

    let allBlogs= await data.json();

  return {

    props: {allBlogs}, // will be passed to the page component as props

  }

}

**2.Static site generation**

getStaticProps() method for loading all db datas or props

getStaticPaths() is for mentioning dependcy files or paths (as uderstood)

//from [slug].js

export async function getStaticPaths(context) {

  //how many dynamic routes are present

  return {

    paths: [

      {params: {slug: 'how-to-learn-javascript'}},

      {params: {slug: 'how-to-learn-nextjs'}},

    ],

    fallback: true

  }

}

export async function getStaticProps(context) {

  const {slug} = context.params;

  let myBlog = await fs.promises.readFile(`blogdata/${slug}.json`,'utf-8');

  return {

    props: {myBlog: JSON.parse(myBlog)}, // will be passed to the page component as props

  }}

Ex2

//from blog.js

export async function getStaticProps(context) {

  let dirData = await fs.promises.readdir("blogdata");

  let totalBlogsLength = dirData.length;

  let allBlogs = [];

  for (let index = 0; index < 5; index++) {

    const item = dirData[index];

    let myFile = await fs.promises.readFile(`blogdata/${item}`,'utf-8');

    allBlogs.push(JSON.parse(myFile))

  }

  return {

    props: {allBlogs, totalBlogsLength}, // will be passed to the page component as props

  }

}

2.1 Change configuration in next.config.js

/\*\* @type {import('next').NextConfig} \*/

const nextConfig = {

  reactStrictMode: true,

  swcMinify: true,

  //so that static generated file can reload on reload button click (generated html file will be come inside a folders(about/about.html))

  trailingSlash:true

}

module.exports = nextConfig

2.2 Add a script to export the project in package.json

  "scripts": {

    "dev": "next dev",

    "build": "next build",

    "start": "next start",

    "lint": "next lint",

    "export": "next build && next export"

  },

Next step is >yarn export an “out” folder will be created which will be having static generated .html files.

Note: \*We cant use <Image> tag of nextjs if we want to generate static site. We can use normal <img> tag.

Rendering HTML text using dangerouslySetInnerHTML

  function createMarkup(htmlContent) {

    return { \_\_html: htmlContent};

}

function MyComponent() {

let htmlContent = “<html><div><h1>Hello world</h1></div></html>”

    return <div dangerouslySetInnerHTML={createMarkup(htmlContent)} />;

Using Fetch

let response = await fetch('http://localhost:3000/api/postcontact',{

      method: 'POST',

      headers: {

        'Content-Type': 'application/json'

      },

      body: JSON.stringify(reqBody),

    });

    let data = await response.text();

Git Removing a file from staging area

File will be removed from the index tracking our git project

> git rm -r --cached "folderName" (or) git –cached “folderName”

**Codes Wear Project**

TailWind Css installation in nextJs: <https://tailwindcss.com/docs/guides/nextjs>

Tailwind css extension: Tailwind CSS intelliSense

Note: [dynamicRoute].js

Ready made tailwind Blocks: <https://tailblocks.cc/>

Looping inside a Ojbect

Ex: let obj = { x:{},y:{}}

Object.keys(obj).map((k)=>{..});