



NEXT.js

ASSIGNMENT-4

Presentation



What is the page.tsx file, and what is the layout.tsx file?

Page.tsx is important Next.js file that exports a React component and it's required for the route to be accessible. page.tsx is a convention for creating pages. Each file in the app or pages directory that is named page.tsx or page.jsx

A layout file is used to define the shared structure or layout of our pages. Layouts wrap around page content include elements like navigation bars, footers, or sidebars that are consistent across multiple pages in a section or even the entire site.

What is the Link tag, why do we use this tag, and what is its purpose?



The `<Link>` tag is a React components.

it is the primary way to navigate between routes in Next.js, the Link tag is used to move one page to another page.

to enable client side navigation Next.js provide us Link component,

In short, the Link component in Next.js is designed to optimize navigation within your app, boost performance with preloading, and create a smooth, user-friendly browsing experience.



How can we create nested pages in Next.js?

Firstly we create folder in app directory and then page.tsx file in folder for nested pages we create another folder in this folder and then page.tsx file in this folder

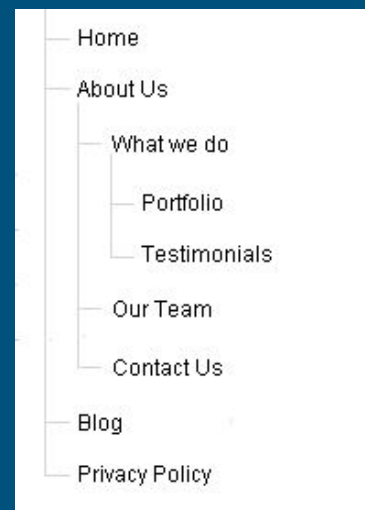
For Example:

app



About

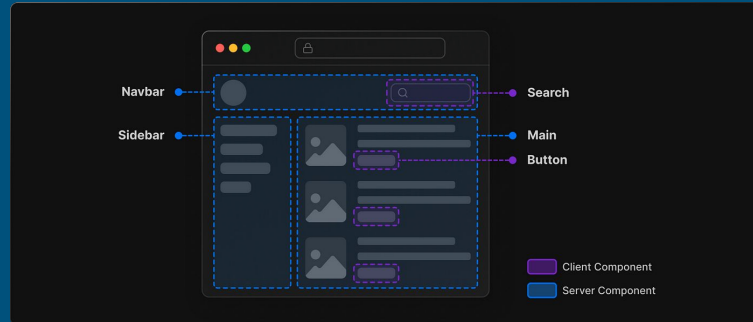
Page.tsx



What are components, and why do we use them?

Components is block of code.components are separate functions We use components for break our code in pieces

Components can be reused across different parts of application.Components make it easier to add new features or update existing ones in large applications, as you can modify specific parts of the app without impacting others.



How can we apply CSS in Next.js?

Firstly we created file in folder file name (about.module.css) and then import in about/page.tsx file

For Example:

```
import CssStyle from "../about.module.css"  
  
<h1 className={CssStyle.h1}>About Me</h1>
```



What is Tailwind CSS, and what are the differences between Tailwind CSS and standard CSS?



Tailwind CSS is utility-first CSS framework for styling, it is highly customized. It is flexible and reliable.

:Tailwind CSS is pre-defined utility classes. In Standard CSS, define custom classes and properties in separate style sheet on `<style>` tag.

:Tailwind CSS allows us to style directly in the HTML or tsx or jsx. Standard CSS is slower because we must write custom CSS for each element styling, which involves defining classes and switching between files.

