

The image features the Next.js logo centered against a dark, starry space background. The logo consists of the word "NEXT" in a white, sans-serif font, followed by ".JS" in a smaller, white, sans-serif font. A bright, glowing pink and purple nebula or galaxy is visible behind the text, adding a vibrant, cosmic feel to the design. The background is filled with numerous small, white stars of varying brightness, creating a deep space atmosphere.

NEXT .JS

# Next.js

**Next.js Is A Flexible React Framework That Gives You Building Blocks To Create Fast, Full-stack Web Applications.**

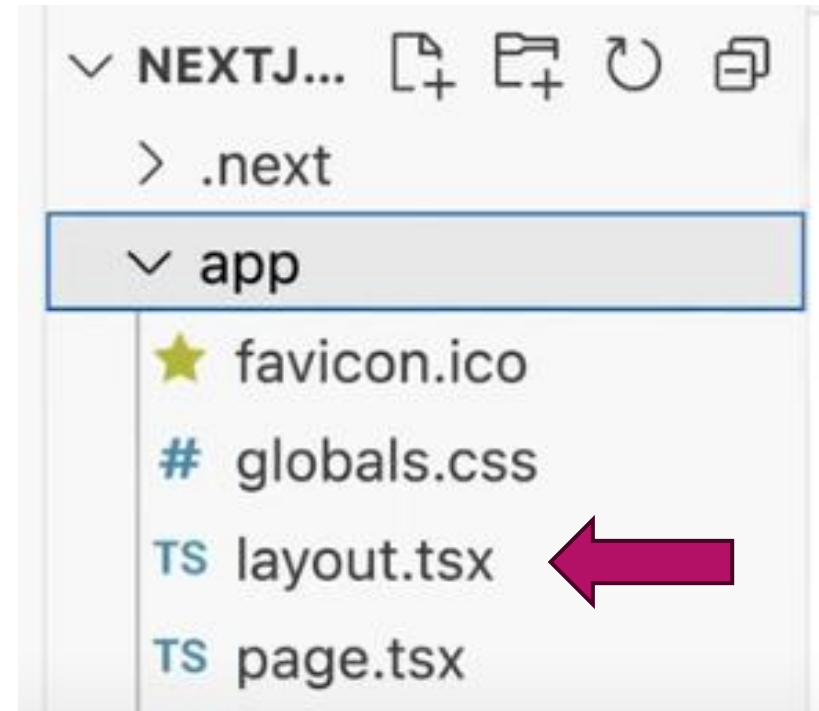
## Benefits of Next.js

- **Full Stack Development Frame Work**
- **A Lot Faster Than Traditional Web Development Framework.**
- **Full Seo Support**
- **Write Code Once And Use Anywhere Like ( Desktop, Tablet And Mobile).**

# What is the layout.tsx file?

## Layout.tsx

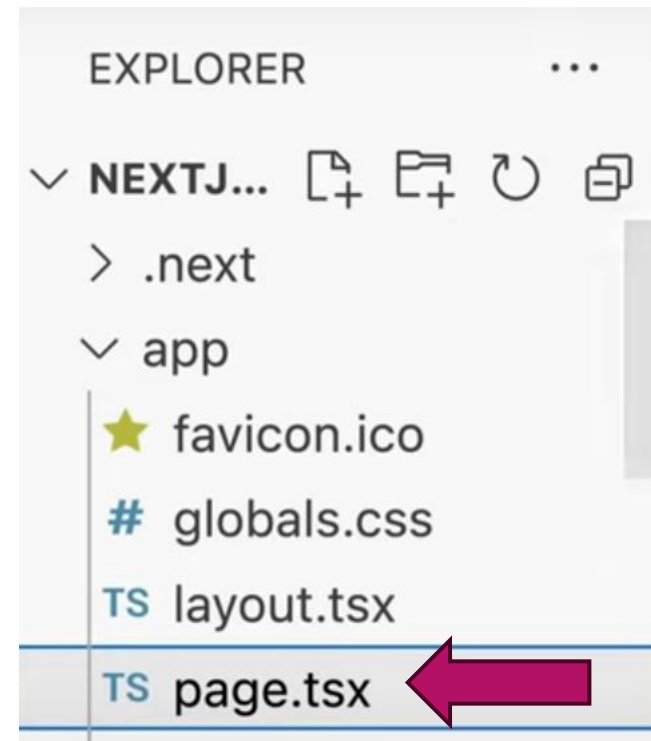
- ▶ **Layout.tsx** is used to define specific layouts for pages or groups of pages
- ▶ When you create a next.js project with the app folder, it will automatically create a Root Layout for you



# What is page.tsx ?

## Page.tsx

- ▶ Page.tsx is the main file in app directory.
- ▶ For making page in website , we make folder in app directory like (contact) and then make file name page.tsx
- ▶ Page.tsx is the home page associated with the route .



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

## Link Tag

Tag `<Link>` is used to make link tag. It allow the user to move between pages in your web and user can move other page of web. This makes the site faster and smoother. In next.js we can make link component . So, we can use link component to link between pages in your application .

## Uses Of Link Tag

- ▶ It provides to user a quick navigation from one page to another page without waiting for the entire page to reload.
- ▶ It improves speed of page
- ▶ Next.js can load the next page in the background when the link is visible , so it is ready as soon as users click it .

# Purpose of Link Tag

- ▶ It helps users navigate to relevant information on a website quickly.
- ▶ It helps to user to move right content quickly.

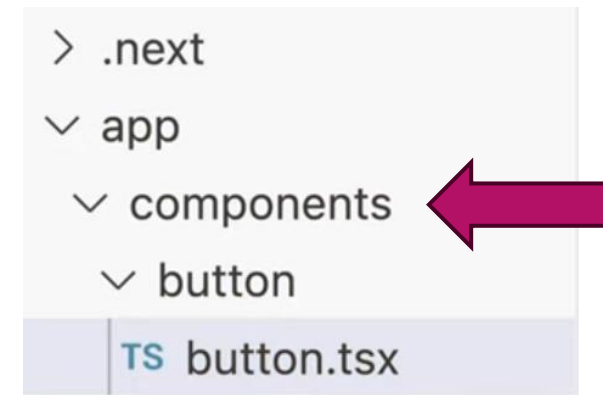
`<link>` is the react component that extends the HTML and provides client side navigation between routes



# What are components, and why do we use them?

## Components:

Any element that is reusable across the site or within the page is called a component. Next.js component acts separately, so you can change one section of the web without needing to update everything. This also means you can use the same component in each area of the web and change the individual pieces. There's less to update, so it makes the entire process far more efficient.



# How can we apply CSS in Next.js?

## CSS MODULE

Next.js has built-in support for CSS Modules using the `.module.css` extension. CSS MODULE are useful for component-level styles. But if you want some CSS to be loaded by every page, Next.js has support for that as well.

## GLOBAL.CSS

You can place the global CSS file anywhere and use any name.



# What is Tailwind CSS?

- ▶ Tailwind CSS gives developers more control and flexibility over the look of their application.
- ▶ Tailwind CSS is a utility-first CSS (Cascading Style Sheets) framework with predefined classes that you can use to build and design web pages directly in your markup. It lets you write CSS in your HTML in the form of predefined classes

# What is Tailwind CSS?

**Traditional CSS** involves writing CSS code manually, which can be time-consuming and tedious. Developers have to write CSS rules for every class, which can lead to code duplication and inconsistencies in the design.

**Tailwind** provides pre-defined classes that correspond to specific CSS rules. Additionally, the use of pre-made classes in Tailwind CSS can significantly speed up the development process, sometimes making it up to 35% faster than starting from scratch with traditional CSS. Tailwind CSS is excellent for performance optimization because of its: Clean code practices.



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