

2_Jio_cinema_ShadcnUi

Agenda

- Component library : ShadcnUI
- How ShadcnUI works
- Setup of ShadcnUI
- Using ShadcnUI with Nextjs
- Most commonly used Components

How ShadcnUI come in phase

We have **used**

Html --> Structure

CSS --> Styling

JS --> Functionality

Styling Approaches

1. Styling ---> CSS ---> Inline
2. Tailwind
3. **Component** :
 - Functionality
 - Button
 - Input
 - Overlays

Components

- Functionality
- Styling
- Material UI, Chakra UI, Ant Design
 - Bootstrap (Html)

Existing Library

Problems:

- Predefined Styling (Customisation was difficult).

- Send a lot of unused code to the end user.

Solution:

- Unused components: Required components import in your code.
- Customization should be easy.

Shadcn UI

- You will get nothing except the required setup.
- Dev will install what they need.
- Code --> component will be visible.
- Styling --> "tailwind"

Importance of Component Library

- Styling
- Functionality
 - Edge case
 - Responsive
 - Accessible

Using ShadcnUI with Nextjs

ShadcnUI

ShadcnUI is a popular open-source UI component library built on top of Tailwind CSS. It offers a collection of pre-built, customizable components that can help you create visually appealing and functional user interfaces.

Key features of ShadcnUI:

- **Tailwind CSS-based:** It leverages Tailwind CSS's utility-first approach, providing a flexible and efficient way to style your components.
- **Pre-built components:** ShadcnUI offers a wide range of components, including buttons, cards, inputs, forms, and more, saving you time and effort in building your UI.
- **Customizable:** You can easily customize the components to match your specific design requirements using Tailwind CSS classes or by creating custom variants.

- **Accessible:** ShadcnUI is designed with accessibility in mind, ensuring that your UI is usable by people with disabilities.

Required Setup

1. Create a new Next.js project
2. Navigate to your Next.js project directory
3. Install ShadcnUI and its dependencies:

```
npx shadcn@latest init -d
```

Dev will install what they need

For example if you want Button, Calender, Carousel etc.
Whatever you want you have to install it.

Button

```
npx shadcn@latest add button
```

Accessing Button

In app directory `page.jsx`

```
import Image from "next/image";
import { Button } from "@/components/ui/button"

export default function Home() {
  return (
    <div className="grid place-items-center">
      <h1>Hello Next</h1>
      <Button>Hello</Button>
    </div>
  );
}
```

Hello Next

Hello

Let's Understand step by step what's going on:

- In your Nextjs application `page.jsx` is defined in the app directory.
- If anyone puts a req on our app then we will give `page.jsx` in res.

Let's understand about Shadcn workflow:

- Setup your Shadcn
- After setup, you have to go to the Shadcn Documentation and check Functionality.
- Whatever component you want you have to install it for ex: A button.
- In the src directory component directory is created and in it `button.jsx`
- Then where you want to use that button you have to import it.

```
<Button className="text-bold text-gray-600 bg-white hover:bg-red-400">Hello</Button>
```

You can direct change your styling by using className.

@ means src folder this is default .

```
{
  "compilerOptions": {
    "paths": {
      "@/*": ["../src/*"]
    }
  }
}
```

Features

- You can install individual components.

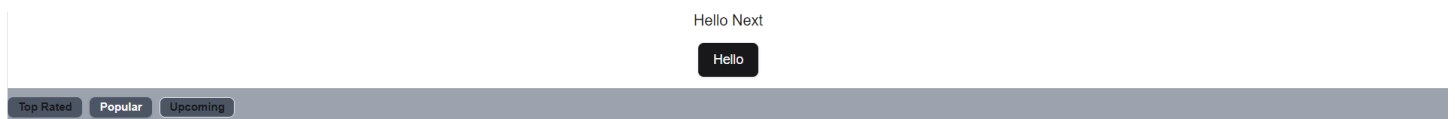
- By className you can use tailwind styling
- Variant (one button may consist four five variants)

```
<Button
//className="text-bold text-gray-600 bg-white hover:bg-red-400"
variant="outline"
size="icon"
>Hello</Button>
```

Badge

```
import Image from "next/image";
import { Button } from "@/components/ui/button"
import { Badge } from "@/components/ui/badge"

export default function Home() {
  return (
    <div className="grid place-items-center">
      <h1>Hello Next</h1>
      <Button>Hello</Button>
      <div className="w-full h-10 bg-gray-400 flex gap-2 items-center">
        <Badge className="bg-gray-600" variant={"secondary"}>Top Rated</Badge>
        <Badge className="bg-gray-600" variant={"destructive"}>Popular</Badge>
        <Badge className="bg-gray-600" variant={"outline"}>Upcoming</Badge>
      </div>
    </div>
  );
}
```



Card

```
npx shadcn@latest add card
```

```
import React from 'react'
import {
  Card,
```

```

    CardContent,
    CardDescription,
    CardFooter,
    CardHeader,
    CardTitle,
  } from "@components/ui/card"
import { Button } from '@components/ui/button'
import { Input } from "@components/ui/input"

function login() {
  return (
    <div className='h-[100vh] flex justify-center items-center'>
      <Card className="h-[400px] w-[350px] bg-gray-900">
        <CardHeader>
          <CardTitle className="text-white text-4xl">Login</CardTitle>
          <CardDescription>Enter your email below to login to your account.
</CardDescription>
        </CardHeader>
        <CardContent>
          <Input type="email" placeholder="m@example.com"></Input>
          <Button variant={"destructive"} className="w-full">Login</Button>
        </CardContent>
        <CardFooter>
          <p className="text-white">Forgot Password</p>
          <p className="text-white">Need your account</p>
        </CardFooter>
      </Card>
    </div>
  )
}

export default login

```

Login

Enter your email below to login to your account.

Login

[Forgot Password](#)[Need your account](#)

Some common components

These are some common components which we are going to use throughout the project.

- Card
- Sheet
- Dialog
- Skeleton
- Toast

- Label
- Button
- Input