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Dokumentasi Frontend

Instalasi Shadcn ui

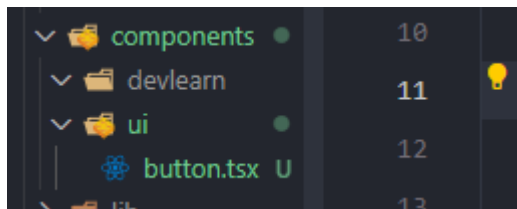
```
PS D:\FOLDER KULIAH\SEMESTER 6\Pemrograman Berorientasi Service\KBizer\frontend> npx shadcn@latest init
>>
Need to install the following packages:
shadcn@2.5.0
Ok to proceed? (y) y
npm WARN deprecated node-domexception@1.0.0: Use your platform's native DOMException instead
✓ Preflight checks.
✓ Verifying framework. Found Next.js.
✓ Validating Tailwind CSS config. Found v4.
✓ Validating import alias.
✓ Which color would you like to use as the base color? » Neutral
✓ Writing components.json.
✓ Checking registry.
✓ Updating CSS variables in app\globals.css
  Installing dependencies.

It looks like you are using React 19.
Some packages may fail to install due to peer dependency issues in npm (see https://ui.shadcn.com/react-19).

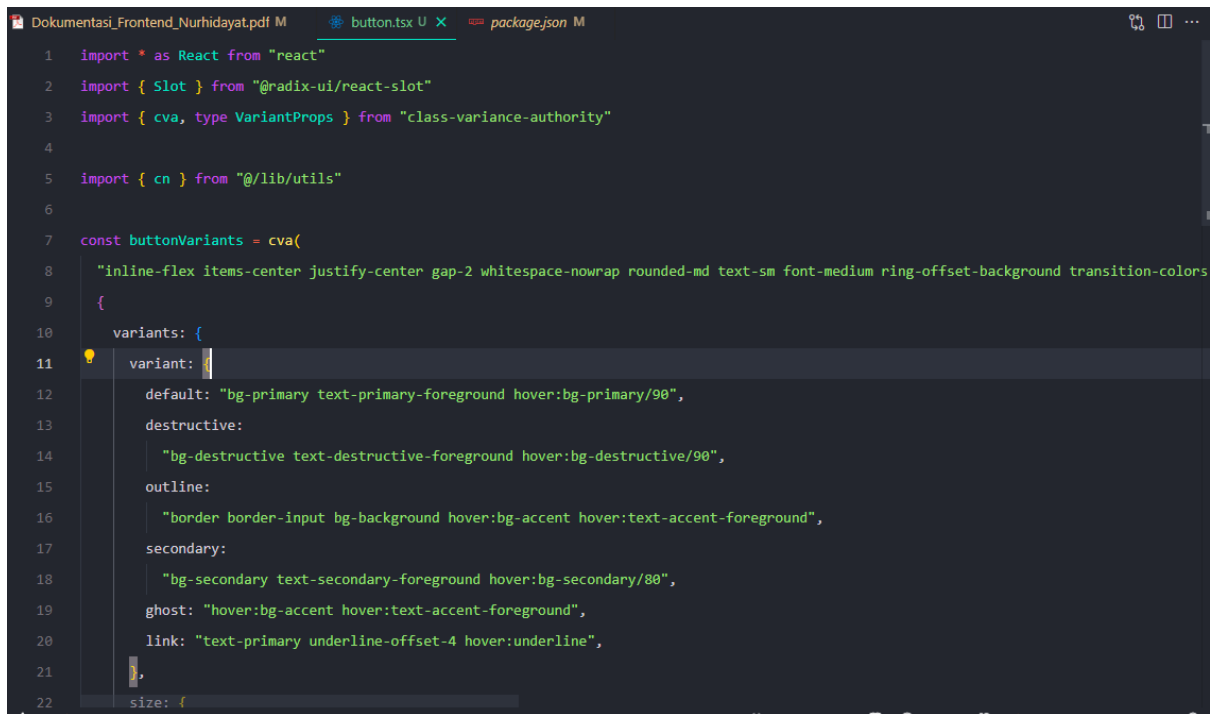
✓ How would you like to proceed? » Use --force
✓ Installing dependencies.
✓ Created 1 file:
  - lib\utils.ts

Success! Project initialization completed.
```

Menambahkan file baru pada folder ui yg ada pada folder components yaitu file button.tsx

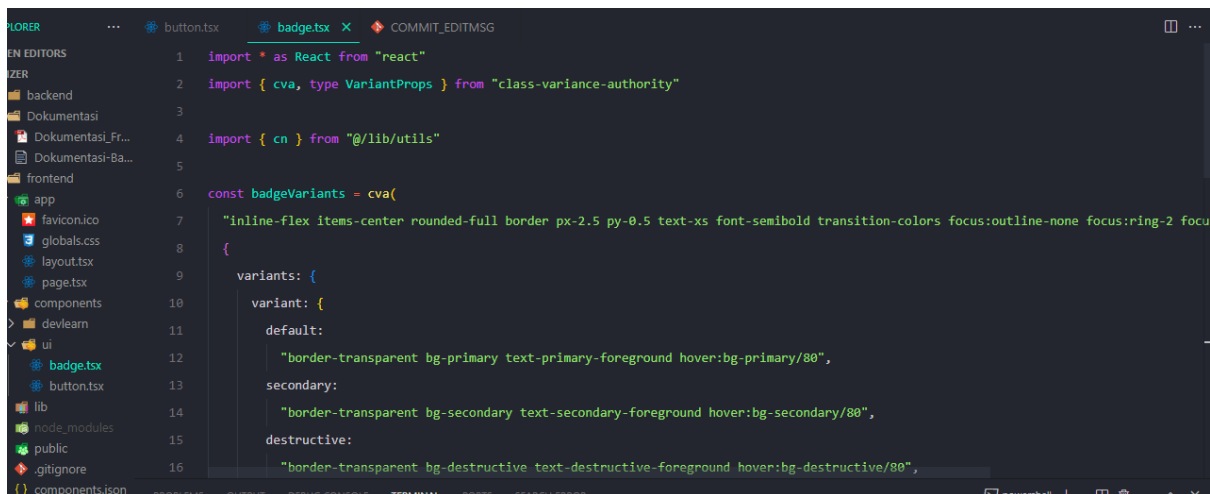


Berikut adalah isi button.tsx



```
1 import * as React from "react"
2 import { Slot } from "@radix-ui/react-slot"
3 import { cva, type VariantProps } from "class-variance-authority"
4
5 import { cn } from "@lib/Utils"
6
7 const buttonVariants = cva(
8   "inline-flex items-center justify-center gap-2 whitespace-nowrap rounded-md text-sm font-medium ring-offset-background transition-colors"
9   {
10     variants: {
11       variant: {
12         default: "bg-primary text-primary-foreground hover:bg-primary/90",
13         destructive: "bg-destructive text-destructive-foreground hover:bg-destructive/90",
14         outline: "border border-input bg-background hover:bg-accent hover:text-accent-foreground",
15         secondary: "bg-secondary text-secondary-foreground hover:bg-secondary/80",
16         ghost: "hover:bg-accent hover:text-accent-foreground",
17         link: "text-primary underline-offset-4 hover:underline",
18       },
19     },
20     size: {
```

Menambahkan file badge.tsx



```
1 import * as React from "react"
2 import { cva, type VariantProps } from "class-variance-authority"
3
4 import { cn } from "@lib/Utils"
5
6 const badgeVariants = cva(
7   "inline-flex items-center rounded-full border px-2.5 py-0.5 text-xs font-semibold transition-colors focus:outline-none focus:ring-2 focus:ring-offset-2"
8   {
9     variants: {
10       variant: {
11         default: "border-transparent bg-primary text-primary-foreground hover:bg-primary/80",
12         secondary: "border-transparent bg-secondary text-secondary-foreground hover:bg-secondary/80",
13         destructive: "border-transparent bg-destructive text-destructive-foreground hover:bg-destructive/80",
14       },
15     },
16     size: {
```

Saya membuat komponen Badge pakai React untuk menampilkan label kecil seperti tag atau status. Supaya bisa dipakai di banyak kondisi, saya tambahkan beberapa pilihan gaya (seperti default, secondary, destructive, dan outline) dengan bantuan cva (class-variance-authority). Jadi kita bisa pilih varian tanpa harus nulis class satu-satu.

Saya juga pakai helper cn buat gabungin class name biar lebih rapi. Komponen ini simpel, fleksibel, dan bisa dikustomisasi lewat props kalau dibutuhkan.

Menambahkan judul pada layout dan mengubah port ke 3002

```
Debug
"scripts": {
  "dev": "next dev --turbo pack -p 3002",
  "build": "next build",
  "start": "next start",
  "lint": "next lint"
```

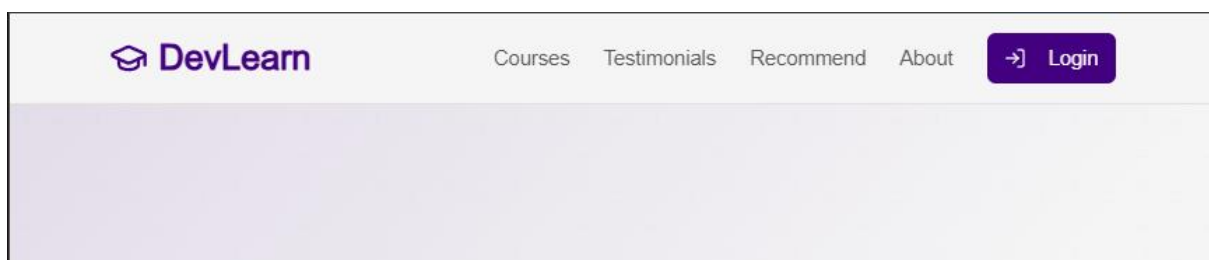
```
14
15 export const metadata: Metadata = {
16   title: "DevLearn - Interactive Learning Platform",
17   description: "Your journey to mastering programming languages starts here. Interactive, AI-powered learning",
18 };
19
```

Menambahkan file header.tsx pada folder devlearn

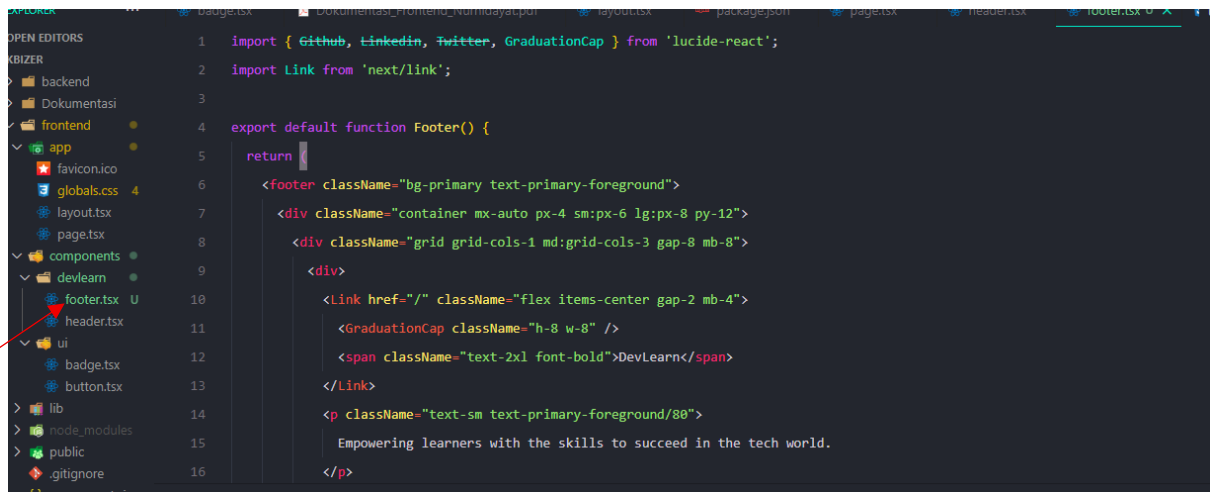
```
OPEN EDITORS
1 import { GraduationCap, Login } from 'lucide-react';
2 import Link from 'next/link';
3 import { Button } from "@components/ui/button";
4
5 export default function Header() {
6   return (
7     <header className="sticky top-0 z-50 w-full border-b bg-background/95 backdrop-blur supports-[backdrop-filter]:bg-background/60">
8       <div className="container mx-auto flex h-16 items-center justify-between px-4 sm:px-6 lg:px-8">
9         <Link href="/" className="flex items-center gap-2">
10           <GraduationCap className="h-7 w-7 text-primary" />
11           <span className="text-2xl font-bold text-primary">DevLearn</span>
12         </Link>
13         <nav className="flex items-center space-x-6">
14           <Link href="#courses-preview" className="text-sm font-medium text-foreground/70 transition-colors hover:text-primary">
15             Courses
16           </Link>
```

Komponen Header ini adalah navigasi utama untuk aplikasi **DevLearn**. Saya buat responsif dan selalu tampil di atas halaman. Bagian kiri berisi logo dan nama aplikasi, sedangkan bagian kanan berisi menu navigasi ke bagian-bagian halaman (Courses, Testimonials, Recommend, About) serta tombol Login. Tampilan dibuat bersih dan modern, dengan ikon dari lucide-react dan tombol dari UI kit internal (Button).

Dan dibawah ini tampilan headernya



Membuat file baru yaitu footer.tsx pada folder devlearn



```
1 import { Github, LinkedIn, Twitter, GraduationCap } from 'lucide-react';
2 import Link from 'next/link';
3
4 export default function Footer() {
5   return (
6     <footer className="bg-primary text-primary-foreground">
7       <div className="container mx-auto px-4 sm:px-6 lg:px-8 py-12">
8         <div className="grid grid-cols-1 md:grid-cols-3 gap-8 mb-8">
9           <div>
10             <Link href="/" className="flex items-center gap-2 mb-4">
11               <GraduationCap className="h-8 w-8" />
12               <span className="text-2xl font-bold">DevLearn</span>
13             </Link>
14             <p className="text-sm text-primary-foreground/80">
15               Empowering learners with the skills to succeed in the tech world.
16             </p>
17           </div>
18         </div>
19       </div>
20     </footer>
21   );
22 }
```

Saya membuat komponen Footer ini sebagai penutup halaman di aplikasi **DevLearn**.
Komponen ini terdiri dari tiga bagian utama:

1. Logo dan Deskripsi
Di bagian kiri, saya tampilkan logo dan nama aplikasi, dilengkapi deskripsi singkat tentang tujuan DevLearn.
2. Quick Links
Bagian tengah berisi link navigasi cepat ke halaman penting seperti Courses, About, AI Recommender, dan Contact. Tujuannya biar user lebih mudah akses bagian-bagian utama dari halaman.
3. Sosial Media
Di bagian kanan, saya tambahkan ikon media sosial (Twitter, GitHub, LinkedIn) supaya user bisa terhubung lebih lanjut.

Terakhir, saya tambahkan copyright otomatis berdasarkan tahun saat ini, lengkap dengan pesan personal sebagai penutup.