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DOKUMENTASI Pengerjaan

Membuat Komponen Form

Tanggal : 07 Januari 2025

Waktu : 18.54

- Menginstall komponen **form** dengan perintah **npx shadcn@latest add form** dari Pustaka **shadcn/ui** kedalam proyek, dengan dokumentasi terminal berikut ini :

```
PS D:\ecommerce-visionvortex> npx shadcn@latest add form
✓ Checking registry.
  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 --legacy-peer-deps
✓ Installing dependencies.
✓ The file button.tsx already exists. Would you like to overwrite? ... yes
✓ Created 2 files:
  - components\ui\form.tsx
  - components\ui\label.tsx
i Updated 1 file:
  - components\ui\button.tsx

npm notice
npm notice New major version of npm available! 10.9.0 -> 11.0.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.0.0
npm notice To update run: npm install -g npm@11.0.0
npm notice
PS D:\ecommerce-visionvortex>
```

- Berikut ini hasil yang sudah terinstall dengan menghasilkan file baru berupa **form.tsx** dan **label.tsx** pada folder **ui** didalam **components** :



Tanggal : 07 Januari 2025

Waktu : 19.21

- Menambahkan komponen **input** dengan perintah **npx shadcn@latest add input** dari Pustaka **shadcn/ui** kedalam proaiek, dengan dokumentasi terminal berikut ini :

```
PS D:\ecommerce-visionvortex> npx shadcn@latest add input
✓ Checking registry.
✓ Created 1 file:
  - components\ui\input.tsx
```

- Berikut ini hasil yang sudah terinstall dengan menghasilkan file baru berupa **input.tsx** pada pada folder **ui** didalam **components** :



Tanggal : 08 Januari 2025

Waktu : 00.02

Melanjutkan membuat form komponen

Pada file **store-modal.tsx**

```
3 import * as z from "zod";
4 import { useForm } from "react-hook-form";
5 import { zodResolver } from "@hookform/resolvers/zod";
```

Menambahkan import seperti diatas seperti zod untuk membuat dan memvalidasi skema data, lalu import useForm yaitu hook dari Pustaka react hook Form, lalu menambahkan import zodResolver supaya zod dengan React Hook Form terintegrasikan.

```

11 import {
12     Form,
13     FormControl,
14     FormField,
15     FormItem,
16     FormLabel,
17     FormMessage
18 } from "@components/ui/form";
19 import { Input } from "@components/ui/input";
20 import { Button } from "@components/ui/button";

```

Menambahkan import berbagai komponen UI terkait (Form, FormControl, FormField, FormItem, FormLabel, FormMessage). Mengimport komponen (Input), dan mengimport komponen tombol (Button).

```

22 const formSchema = z.object({
23     name: z.string().min(1),
24 });

```

Menambahkan const formSchema untuk mendefinisikan skema validasi formulir menggunakan Zod dan `name` adalah field teks wajib dengan minimal 1 karakter

```

const form = useForm<z.infer<typeof formSchema>>({
    resolver: zodResolver(formSchema),
    defaultValues: {
        name: "",
    },
});

```

Menambahkan const baru untuk menginisialisasi hook `useForm` dengan resolver Zod untuk validasi skema dengan `defaultValues` menetapkan nilai default untuk input formulir, di sini `name` diinisialisasi sebagai string kosong.

```

const onSubmit = async (values: z.infer<typeof formSchema>) => {
    console.log(values);
    // TODO: Create Store
}

```

Menambahkan const baru untuk mendefinisikan fungsi `onSubmit`, yang akan dipanggil saat formulir dikirimkan.

```

44     <Modal
45       title="create store"
46       description="Add a new store to manage products and categories"
47       isOpen={storeModal.isOpen}
48       onClose={storeModal.onClose}
49     >
50       <div>
51         <div className="space-y-4 py-2 pb-4">
52           <Form {...form}>
53             <form onSubmit={form.handleSubmit(onSubmit)}>
54               <FormField
55                 control={form.control}
56                 name="name"
57                 render={({ field }) => (
58                   <FormItem>
59                     <FormLabel>Name</FormLabel>
60                     <FormControl>
61                       <Input placeholder="E-Commerce" {...field}/>
62                     </FormControl>
63                     <FormMessage />
64                   </FormItem>
65                 )}
66               />
67             <div className="pt-6 space-x-2 flex items-center justify-end w-full">
68               <Button
69                 variant="outline"
70                 onClick={storeModal.onClose}>Cancel
71               </Button>
72               <Button type="submit">Continue</Button>
73             </div>
74           </form>
75         </Form>
76       </div>
77     </div>
78   </Modal>

```

Menambahkan isi didalam Form yang terdapat :

- Membungkus formulir HTML dengan komponen `Form` untuk integrasi dengan React Hook Form dan `handleSubmit` menangani validasi dan pemrosesan data sebelum memanggil `onSubmit`.
- Komponen `FormField` agar terhubung dengan input form
- Menambahkan `render` supaya mengonfigurasi elemen input dan menampilkan pesan error jika ada.
- Dan menambahkan Input dengan isi placeholder "E-Commerce" dan dihubungkan ke field "name".
- Menambahkan tombol Button pada form yang terdiri dari Cancel dan Continue
- **Hasil form yang ditambahkan diatas**

create store



Add a new store to manage products and categories

Name

Rifki Abdullah

Cancel

Continue

- Jika table tidak terisikan

create store



Add a new store to manage products and categories

Name

E-Commerce

String must contain at least 1 character(s)

Cancel

Continue

Tanggal : 09 Januari 2025

Waktu : 14.34 s/d ...

Membuat HomePage pada Admin

- Membuat folder (dashboard) dan lalu didalamnya terdapat folder [storeId] lalu membuat file layout.tsx



- Mengerjakan isi layout.tsx

```
1 import db from "@lib/db";
2 import { auth } from "@clerk/nextjs/server";
3 import { redirect } from "next/navigation";
4 import React from "react";
```

Mengimpor modul db, mengimpor fungsi auth dari clerk, mengimpor fungsi redirect dari next.js, mengimpor modul react.

```
export default async function DashboardLayout({
  children,
  params,
}): {
  children: React.ReactNode;
  params: {storeId: string}
}) {
```

Membuat komponen layout untuk dashboard. Menambahkan komponen children, params. Untuk memastikan hanya pengguna yang login.

```
}) {
  const {userId} = await auth(); ←
  if (!userId) {
    redirect("sign-in")
  }
  const store = await db.store.findFirst({
    where: {
      id: params.storeId,
      userId
    }
  })
}
```

Mendapatkan data autentikasi

```

  }) {
    const {userId} = await auth();
    if (!userId) {
      redirect("sign-in")
    }
    const store = await db.store.findFirst({
      where: {
        id: params.storeId,
        userId
      }
    })
  }
}

```

Membuat supaya pengguna jika blm login diarahkan ke halaman sign-in

```

  }) {
    const {userId} = await auth();
    if (!userId) {
      redirect("sign-in")
    }
    const store = await db.store.findFirst({
      where: {
        id: params.storeId,
        userId
      }
    })
  }
}

```

Membuat query ke database untuk mencari data store pertama yang memenuhi kriteria.

```

if (!store) {
  redirect("/")
}
return (
  <>
    <div>This is Navbar</div>
    {children}
  </>
)

```

Melakukan pengecekan jika store tidak ada

- Dokumentasi hasil perubahan dari [storeId]



This is Navbar

This is Dashboard

Dia mendapatkan Id store di Alamat halaman diatas.

- Membuat Folder baru didalam [storeId] dengan nama (routes) dan lalu membuat file dengan nama page.tsx
- Isi page.tsx

```
const DashboardPage = () => {  
  return (  
    <div>  
      This is Dashboard  
    </div>  
  );  
}  
  
export default DashboardPage;
```

- Membuat file baru didalam folder (root) yaitu file layout.tsx



- Membuat isi nya :

```

app > (root) > layout.tsx > SetupLayout
1  import db from "@lib/db";
2  import { auth } from "@clerk/nextjs/server";
3  import { redirect } from "next/navigation";
4  import React from "react";
5
6  export default async function SetupLayout({
7    children,
8  }) {
9    children: React.ReactNode;
10 }
11 const {userId} = await auth()
12 if (!userId) {
13   redirect("sign-in")
14 }
15
16 const store = await db.store.findFirst({
17   where: {
18     userId
19   }
20 })
21
22 if (store) {
23   redirect(`/${store.id}`)
24 }
25
26 return (
27   <>
28     {children}
29   </>
30 )
31
32

```

Pada isinya hamper sama dengan file layout.tsx pada (dashboard)/[storeId] hanya saja menambahkan isi yang ditandai untuk memastikan store yang diminta oleh pengguna benar-benar ada dan dapat diakses.

- Membuat folder baru didalam folder (root) dengan nama (routes) dan memindahkan file page.tsx yang awalnya di (root) pindah ke (routes).



- Melakukan **npx prisma migrate reset** untuk mereset database ke keadaan awal berdasarkan migrasi prisma.

```
PS D:\Universitas Teknokrat Indonesia\Semester 5\WEB 2\ecommerce-visionvortex> npx prisma generate
```

- Pada bash tersebut melakukan perintah tersebut untuk menghasilkan client prisma yang akan digunakan.

```
PS D:\Universitas Teknokrat Indonesia\Semester 5\WEB 2\ecommerce-visionvortex> npx prisma db push
```

Push skema Prisma langsung ke database

```
const onSubmit = async (values: z.infer<typeof formSchema>) => {
  try {
    setLoading(true)
    const response = await axios.post('/api/stores', values)
    console.log(response.data);
    toast.success("Berhasil Membuat Toko");
    window.location.assign(`/${response.data.id}`)
  } catch (error) {
    toast.error("Gagal Membuat Toko")
  } finally{
    setLoading(false)
  }
}
```

- Menambahkan kode untuk mengarahkan pengguna ke URL tertentu berdasarkan data yang diterima dari respons server.
- Memodifikasi pada file page.tsx pada folder (dashboard)/[storeId]/(routes)

```
2
3 interface DashboardPageProps {
4   params: {storeId: string}
5 }
```

Menambahkan interface tersebut untuk mendeskripsikan tipe properti yang diterima oleh komponen.

```
7 const DashboardPage = async ({params} : DashboardPageProps) => {
8
```

Menambahkan properti params (dari tipe DashboardPageProps)

```
8
9   const store = await db.store.findFirst({
10     where: {
11       id: params.storeId
12     }
13   })
```

Menambahkan const baru untuk mencari data di tabel store. Query ini mencari satu entri dalam tabel store yang memiliki id sesuai dengan nilai params.storeId.

```
return (
  <div>
    Active Store: {store?.name}
  </div>
);
```

Menambahkan untuk menampilkan keterangan berdasarkan nama storenya.

Hasil penampilannya:



Tanggal : 10 Januari 2025

Waktu : 07.23 s/d ...

Membuat Navbar pada Admin



Merubah isi tampilan pada file layout.tsx pada (dashboard)/[storeId]



Lalu membuat file baru pada folder components dengan nama file navbar.tsx dan serta memberikan isinya untuk dipanggil Navbar pada layout.tsx sebelumnya.

```
layout.tsx ...[storeId]  navbar.tsx M X  store-modal.tsx  page.tsx  components > navbar.tsx > default
1  import { UserButton } from "@clerk/nextjs";
2
3  const Navbar = () => {
4    return (
5      <div className="border-b">
6        <div className="flex h-16 items-center px-4">
7          <div>Store Switcher</div>
8          <div>main nav</div>
9          <div className="ml-auto flex items-center space-x-4">
10             <UserButton afterSignOutUrl="/" />
11          </div>
12        </div>
13      </div>
14    );
15  }
16
17  export default Navbar;
```

Membuat isi navbar berupa bordernya, mengatur ukurannya, membuat userbutton-nya.

```
<MainNav />
```

Mengubah main nav sebelumnya menjadi seperti itu untuk memanggil hasil dari main-nav.tsx

```
layout.tsx ...[storeId]  navbar.tsx M  main-nav.tsx U X  sto
components > main-nav.tsx > MainNav
1  'use client'
2
3  export function MainNav({
4    className,
5
6  }: React.HTMLAttributes<HTMLElement>) {
7    return (
8      <nav>
9        This is Main Nav
10      </nav>
11    )
12  }
```

Mendefinisikan MainNav untuk dipanggil dan di render.



Hasilnya.

```
const pathname = usePathname();
const params = useParams();

const routes = [
  {
    href: `/${params.storeId}/settings`,
    label: 'settings',
    active: pathname === `/${params.storeId}/settings`,
  }
]
```

Menambahkan code pada main-nav.tsx untuk mendefinisikan const pathname dan const params. Dan membuat const routes.

```
{routes.map((route) => (
  <Link
    key={route.href}
    href={route.href}
    className={cn(
      "text-sm font-medium transition-colors hover:text-primary",
      route.active ? "text-black dark:text-white" : "text-muted-foreground"
    )}
  >
    {route.label}
  </Link>
)}
```

Merender navigasi dinamis menggunakan data dari array routes pada main-nav.tsx

```
<MainNav className="mx-6"/>
```

Dan memberikan jarak nya.



Active Store: Toko01

-

Dan ini hasilnya.

- `PS D:\Universitas Teknokrat Indonesia\Semester 5\WEB 2\ecommerce-visionvortex> npx shadcn@latest add popover`

Menginstall popover

- `PS D:\Universitas Teknokrat Indonesia\Semester 5\WEB 2\ecommerce-visionvortex> npx shadcn@latest add command`

Menginstall command

```
import db from "@/lib/db";

const Navbar = async () => {
  const {userId} = await auth();

  if (!userId) {
    redirect("/sign-in");
  }

  const stores = await db.store.findMany({
    where: {
      userId,
    }
  })

  return (
    <div className="border-b">
      <div className="flex h-16 items-center px-4">
        <StoreSwitcher items={stores} />
      </div>
    </div>
  )
}
```

-

Menambahkan const baru untuk mengaitkan StoreSwitcher dan menambahkan const baru

```
components > store-switcher.tsx > StoreSwitcher > [currentStore]
1  'use client';
2
3  import { Check, ChevronsUpDown, PlusCircle, StethoscopeIcon, Store as StoreIcon } from "lucide-react";
4  import { useState } from "react";
5  import { Store } from "@prisma/client";
6  import { useParams, useRouter } from "next/navigation";
7
8  import { Popover, PopoverContent, PopoverTrigger } from "@components/ui/popover";
9  import { Button } from "@components/ui/button";
10 import { useStoreModal } from "@hooks/use-store-modal";
11 import { cn } from "@lib/Utils";
12 import { Command, CommandEmpty, CommandGroup, CommandInput, CommandItem, CommandList } from "@components/ui/command";
13
14 type PopoverTriggerProps = React.ComponentPropsWithRef<typeof PopoverTrigger>
15
16 interface StoreSwitcherProps extends PopoverTriggerProps {
17   items: Store[];
18 };
19
20 export default function StoreSwitcher({
21   className,
22   items = []
23 }: StoreSwitcherProps) {
24   const storeModal = useStoreModal();
25   const params = useParams();
26   const router = useRouter();
27
28   const formattedItems = items.map((item) => ({
29     label: item.name,
30     value: item.id
31   }));
32
33   const currentStore = formattedItems.find((item) => item.value === params.store);
34
35   const [open, setOpen] = useState(false);
36
37   const onStoreSelect = (store: {value: string, label: string}) => {
```

Mendefinisikan StoreSwitcher didalamnya membuat button took berupa searcging took, nama toko, tambah toko.

Tanggal : 12 Januari 2025

Waktu : 14.44 s/d ...


```
settings-form.tsx M × layout.tsx use-origin.tsx U ×
hooks > use-origin.tsx > useOrigin
1 import { useState, useEffect } from "react";
2
3 export const useOrigin = () => {
4   const [mounted, setMounted] = useState(false);
5   const origin = typeof window !== "undefined" && window.location.origin ? window.location.origin : '';
6
7   useEffect(() => {
8     setMounted(true);
9   }, []);
10
11   if (!mounted) {
12     return '';
13   }
14
15   return origin;
16 }
```

Menambahkan custom React hook bernama useOrigin. Untuk tampilan settings pada admin.

```
27 import { useOrigin } from "@/hooks/use-origin";
28
29
30
31 interface SettingsFormProps {
32   initialData: Store;
33 }
34
35 const formSchema = z.object({
36   name: z.string().min(1)
37 });
38 type SettingsFormValues = z.infer<typeof formSchema>;
39
40 export const SettingsForm: React.FC<SettingsFormProps> =
41   ({ initialData }) => {
42     const params = useParams();
43     const router = useRouter();
44     const origin = useOrigin();
```

Menambahkan const origin dan mengimport dari useOrigin yang sebelumnya dibuat.

```
schema.prisma M X settings-form.tsx
prisma > schema.prisma > Billboard
15 }
16
17 model Store{
18   id String @id @default(uuid())
19   name String
20   userId String
21   billboards Billboard[] @relation("StoreToBillboard")
22   createdAt DateTime @default(now())
23   updatedAt DateTime @updatedAt
24 }
25
26 model Billboard {
27   id String @id @default(uuid())
28   storeId String
29   store Store @relation("StoreToBillboard", fields: [storeId], references: [id])
30   label String
31   imageUrl String
32   createdAt DateTime @default(now())
33   updatedAt DateTime @updatedAt
34
35   @@index([storeId])
36 }
```

Membuat model baru Billboard dan mendefinisikannya

```
PS D:\Universitas Teknokrat Indonesia\Semester 5\WEB 2\ecommerce-visionvortex> npx prisma generate
```

Melakukan generate prisma

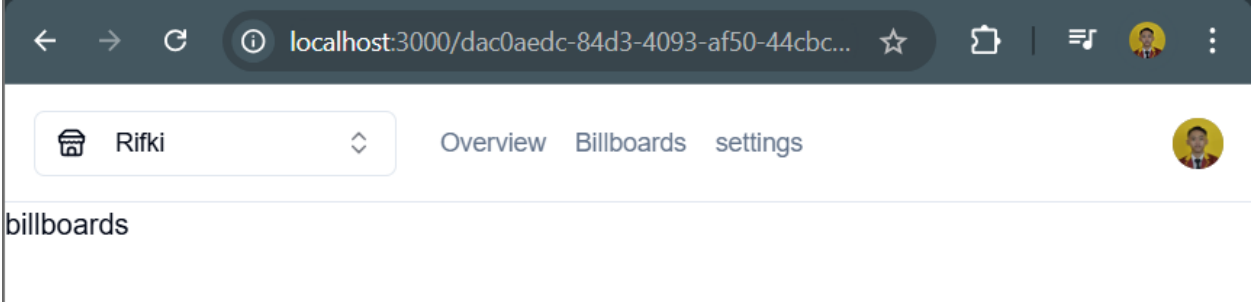
```
PS D:\Universitas Teknokrat Indonesia\Semester 5\WEB 2\ecommerce-visionvortex> npx prisma db push
```

Melakukan push prisma

```
main-nav.tsx M x page.tsx U x
app > (dashboard) > [storeId] > (routes) > billboards > page.tsx > default
1  const BillboardsPage = () => {
2      return (
3          <div>
4              billboards
5          </div>
6      );
7  }
8
9  export default BillboardsPage;
```

Membuat Lembar papan iklan/Billboards.

hasil lembar



```
main-nav.tsx x page.tsx M x client.tsx U
app > (dashboard) > [storeId] > (routes) > billboards > page.tsx > default
1  import { BillboardClient } from "../components/client";
2
3  const BillboardsPage = () => {
4      return (
5          <div className="flex-col">
6              <div className="flex-1 space-y-4 p-8 pt-6">
7                  <BillboardClient />
8              </div>
9          </div>
10     );
11 }
12
13 export default BillboardsPage;
```

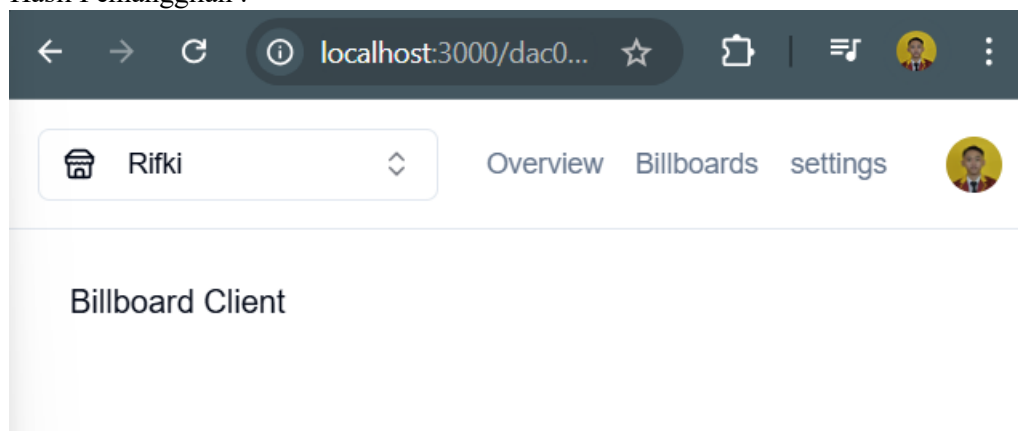
Memperbarui isi pada halaman page billboards dan lalu membuat folder baru didalam folder billboards Bernama folder components dan berisi file client.tsx

The image shows a VS Code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure with folders (dashboard)\[storeId], (routes), and billboards, and files client.tsx, page.tsx, and settings. The code editor shows the content of client.tsx, which defines a BillboardClient component. The component is a function that returns a JSX element with a div containing the text 'Billboard Client'.

```
app > (dashboard) > [storeId] > (routes) > billboards > components > client.tsx > BillboardClient
1  "use client"
2
3  export const BillboardClient = () => {
4    return (
5      <>
6        <div className="flex items-center justify-between">
7          Billboard Client
8        </div>
9      </>
10   )
11 }
```

Pada file client berisikan isi untuk dipanggil pada BillboardClient yang dibuat pada file BillboardsPage sebelumnya.

Hasil Pemanggilan :



```
main-nav.tsx x page.tsx client.tsx M x
app > (dashboard) > [storeId] > (routes) > billboards > components > client.tsx > BillboardClient
1  "use client"
2
3  import { Plus } from "lucide-react"
4
5  import { Button } from "@/components/ui/button"
6  import { Heading } from "@/components/ui/heading"
7  import { Separator } from "@/components/ui/separator"
8
9  export const BillboardClient = () => {
10    return (
11      <>
12        <div className="flex items-center justify-between">
13          <Heading
14            title="Billboards (0)"
15            description="Manage Billboards for your store"
16          />
17          <Button>
18            <Plus className="mr-2 h-4 w-4"/>
19            Add New
20          </Button>
21        </div>
22        <Separator />
23      </>
24    )
25  }
```

Menambahkan heading dan button tambah pada tampilan.

Hasil Menambahkan tampilan :



```
main-nav.tsx x page.tsx client.tsx M x
app > (dashboard) > [storeId] > (routes) > billboards > components > client.tsx > [0] BillboardClient
1  "use client"
2
3  import { Plus } from "lucide-react"
4  import { useParams, useRouter } from "next/navigation"
5
6  import { Button } from "@components/ui/button"
7  import { Heading } from "@components/ui/heading"
8  import { Separator } from "@components/ui/separator"
9
10 export const BillboardClient = () => {
11   const router = useRouter();
12   const params = useParams();
13
14   return (
15     <>
16       <div className="flex items-center justify-between">
17         <Heading
18           title="Billboards (0)"
19           description="Kelola Billboard untuk toko Anda"
20         />
21         <Button onClick={() => router.push(`/${params.storeId}/billboards/new`)}>
22           <Plus className="mr-2 h-4 w-4"/>
23           Add New
24         </Button>
25       </div>
26       <Separator />
27     </>
28   )
29 }
30
```

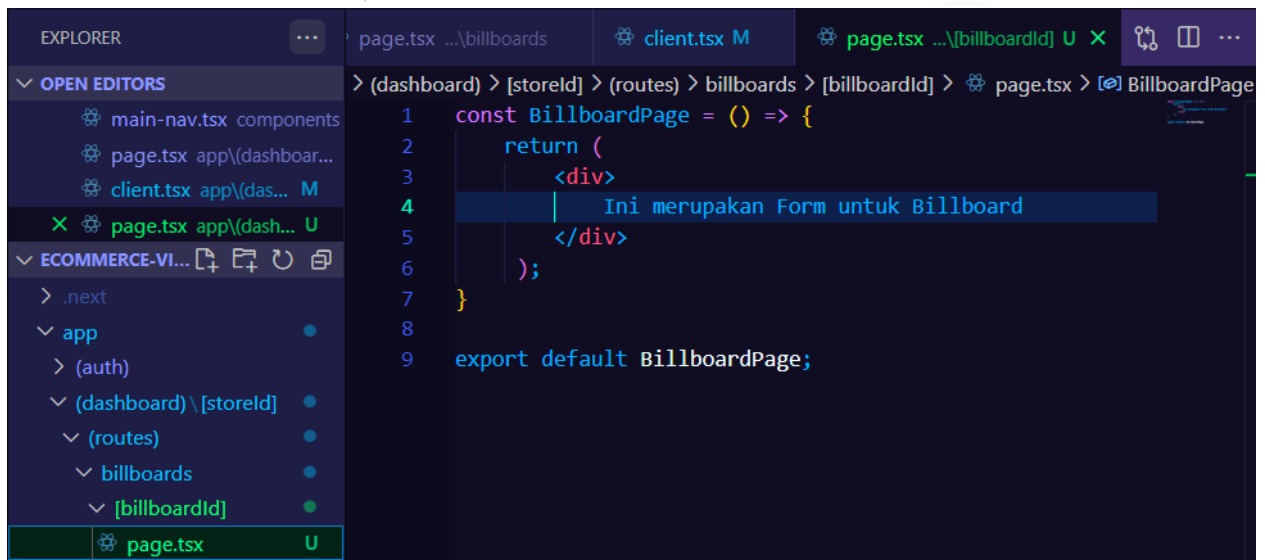
Membuat onClick pada button tambah billboards

hasil :



404

This page could not be found.

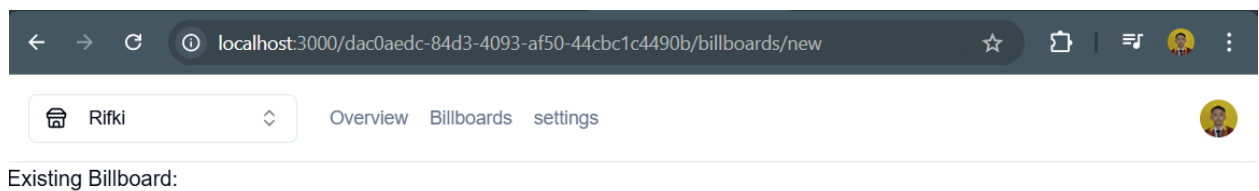


Membuat folder baru Bernama [billboardId] didalam folder billboards dan membuat lembar baru Bernama page.tsx untuk membuat lembar form

```
page.tsx ...\billboards client.tsx page.tsx ...\[billboardId] M X
> (dashboard) > [storeId] > (routes) > billboards > [billboardId] > page.tsx > BillboardPage
1 import db from "@lib/db";
2
3 const BillboardPage = async({
4   params
5 }: {
6   params: {billboardId: string}
7 }) => {
8   const billboard = await db.billboard.findUnique({
9     where: {
10       id: params.billboardId
11     }
12   })
13
14   return (
15     <div>
16       Existing Billboard: {billboard?.label}
17     </div>
18   );
19 }
20
21 export default BillboardPage;
```

Membeikan id halaman berdasarkan label pada billboard

hasil:

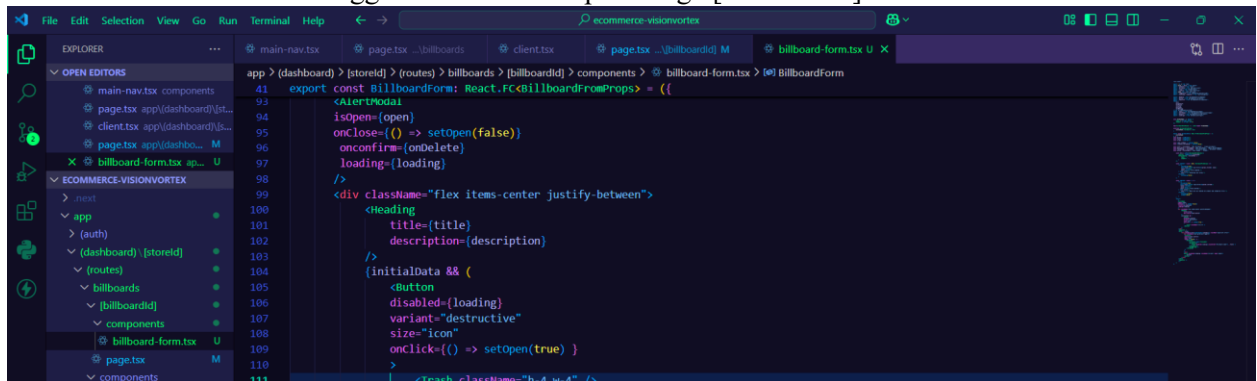



```

tsx  page.tsx ...\billboards  client.tsx  page.tsx ...\[billboardId] M X  billboard-form.tsx U
app > (dashboard) > [storeid] > (routes) > billboards > [billboardId] > page.tsx > [BillboardPage]
1  import db from "@lib/db";
2  import { BillboardForm } from "../components/billboard-form";
3
4  const BillboardPage = async({
5    params
6  }): {
7    params: {billboardId: string}
8  } => {
9    const billboard = await db.billboard.findUnique({
10      where: {
11        id: params.billboardId
12      }
13    })
14
15    return (
16      <div className="flex-col">
17        <div className="flex-1 space-y-4 p-8 pt-6">
18          <BillboardForm initialData={billboard}/>
19        </div>
20      </div>
21    );
22  }
23
24  export default BillboardPage;

```

Menambahkan untuk memanggil BillboardForm pada Page/[billboardId]



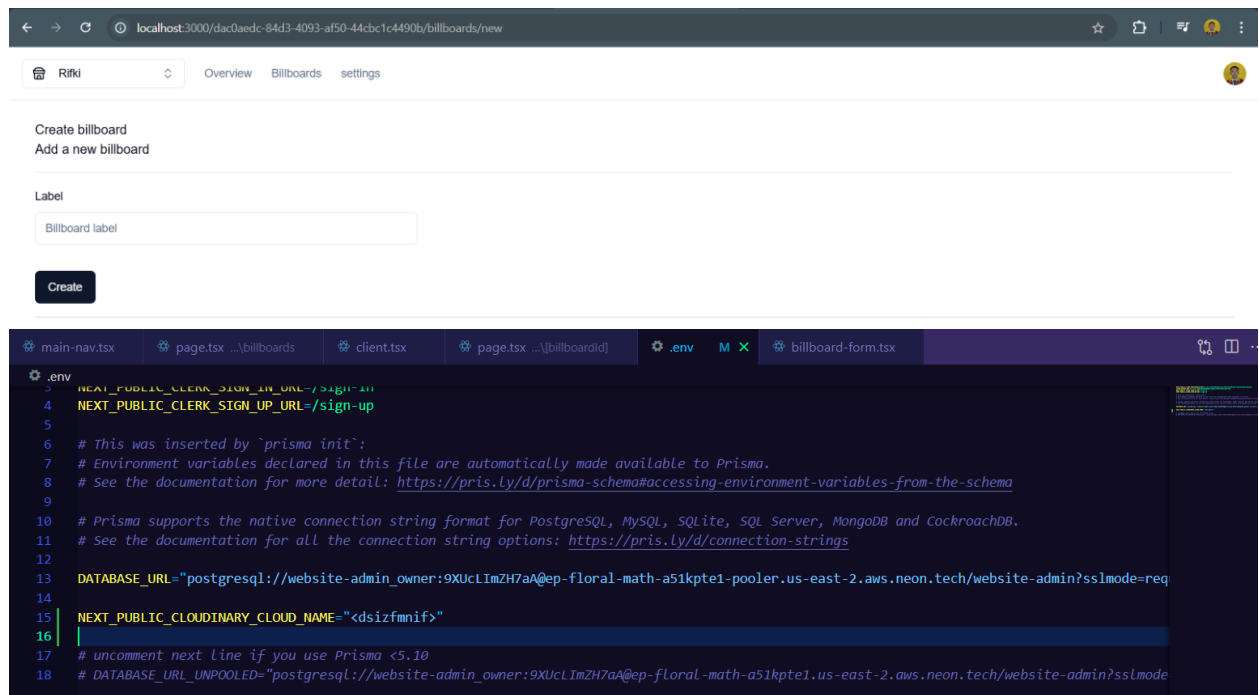
```

File Edit Selection View Go Run Terminal Help  ecommerce-visionvortex
EXPLORER  main-nav.tsx  page.tsx ...\billboards  client.tsx  page.tsx ...\[billboardId] M  billboard-form.tsx U
OPEN EDITORS
  main-nav.tsx components
  page.tsx app\(dashboard)\st...
  client.tsx app\(dashboard)\st...
  page.tsx app\(dashbo... M
  billboard-form.tsx ap... U
ECCOMMERCE-VISIONVORTEX
  > next
  > app
  > (auth)
  > (dashboard) [storeid]
  > (routes)
  > billboards
  > [billboardId]
  > components
  > billboard-form.tsx U
  > page.tsx M
  > components
111
41  export const BillboardForm: React.FC<BillboardFormProps> = ({
93    <AlertModal
94      isOpen={open}
95      onClose={() => setOpen(false)}
96      onconfirm={onDelete}
97      loading={loading}
98    />
99    <div className="flex items-center justify-between">
100      <Heading
101        title={title}
102        description={description}
103      />
104      {initialData && (
105        <Button
106          disabled={loading}
107          variant="destructive"
108          size="icon"
109          onClick={() => setOpen(true)}
110        >
111        <Trash className="h-4 w-4" />

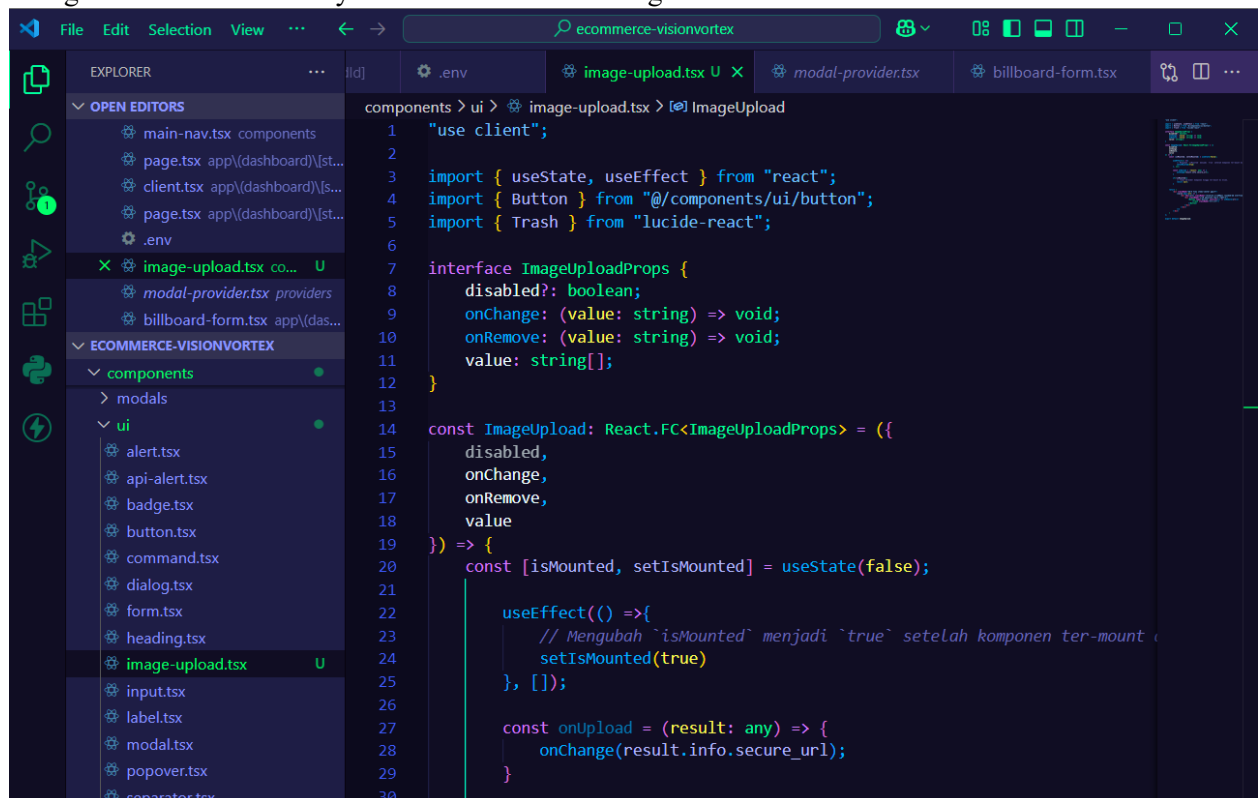
```

Membuat component baru dari folder [billboardId] dan lalu mengcopy file settings-form.tsx dan di paste di dalam folder components dan memberikan nama file baru billboard-form.tsx dan modifikasi isi dalam form tersebut.

hasil:



Meng install next-cloudinary dan menambahkan konfigurasi di .env



Membuat file baru didalam components/ui/ yang diberi nama image-upload.tsx yang didalamnya kita isikan untuk meng upload image pada billboards.

```
components > ui > image-upload.tsx > ImageUpload > value.map() callback
16  const ImageUpload: React.FC<ImageUploadProps> = ({
39    return (
40      <div>
41        <div className="mb-4 flex items-center gap-4">
42          {value.map((url) => (
43            <div
44              key={url}
45              className="relative w-[200px] h-[200px] rounded-md overflow-hidden"
46            >
47              <div className="z-10 absolute top-2 right-2">
48                <Button
49                  type="button"
50                  onClick={() => onRemove(url)}
51                  variant="destructive"
52                  size="icon"
53                >
54                  <Trash className="h-4 w-4" />
55                </Button>
56              </div>
57              <Image fill className="object-cover" alt="Image" src={url} />
58            </div>
59          ))}
60        </div>
61        <CldUploadWidget onUpload={onUpload} uploadPreset="visionvortex">
62          ({open} => {
63            const onClick = () => {
64              open();
65            };
66            return (
67              <Button
68                type="button"
69                disabled={disabled}
70                variant="secondary"
71                onClick={onClick}
72              >
73                <ImagePlus className="h-4 w-4 mr-2" />
74                Upload image
75              </Button>

```

Menampilkan daftar gambar yang dapat dihapus oleh pengguna serta menyediakan tombol untuk mengunggah gambar baru menggunakan widget upload Cloudinary.

```

119 <FormField
120   control={form.control}
121   name="imageUrl"
122   render={({field}) => (
123     <FormItem>
124       <FormLabel>Baground Image</FormLabel>
125       <FormControl>
126         <ImageUpload
127           value={field.value ? [field.value] : []}
128           disabled={loading}
129           onChange={(url) => field.onChange(url)}
130           onRemove={() => field.onChange("")}
131         />
132       </FormControl>
133       <FormMessage />
134     </FormItem>
135   )}
136 />

```

Membuat form untuk mengunggah dan mengatur URL gambar latar (background image)

Hasil :

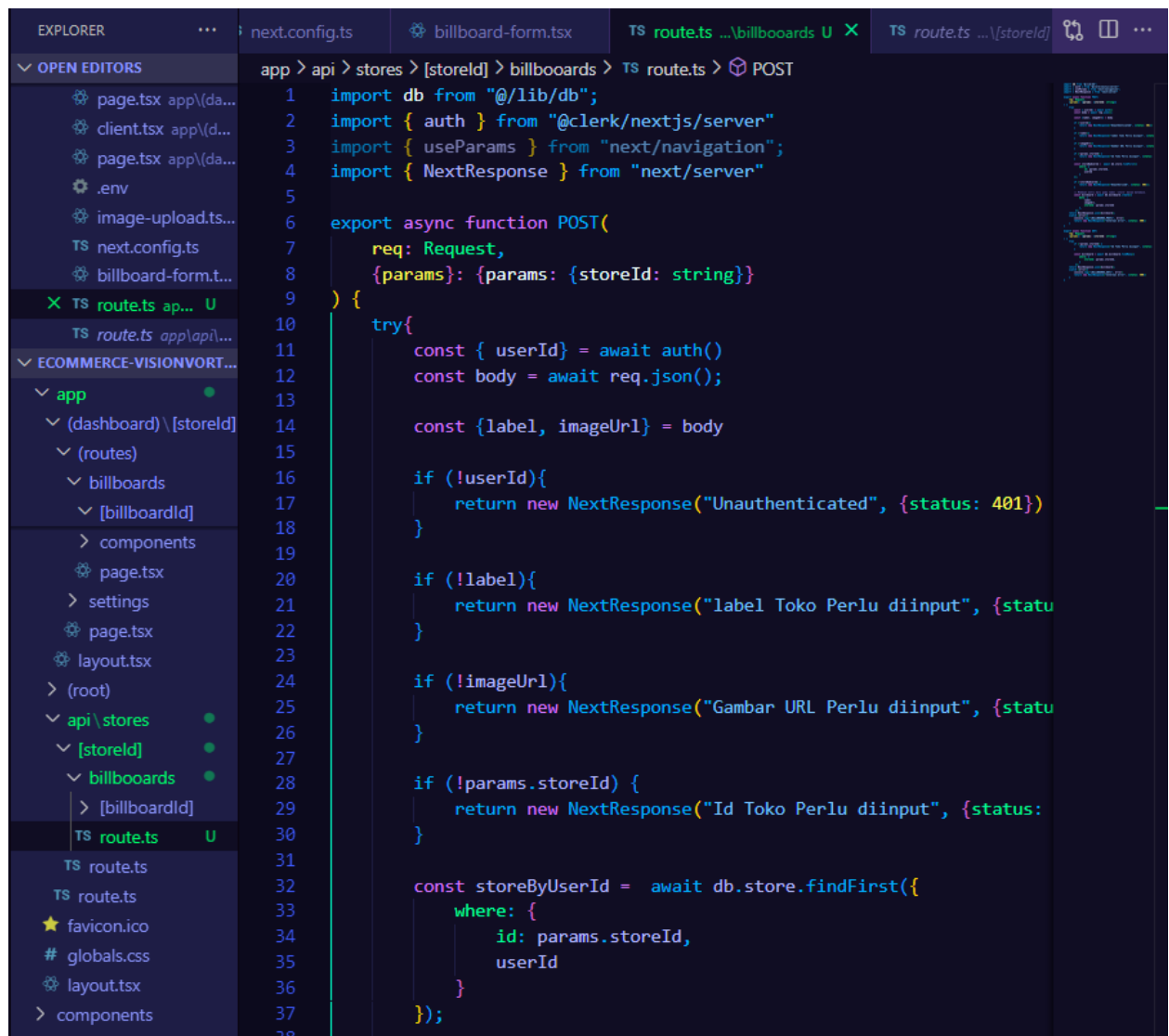


```

65 const onSubmit = async (data: BillboardFormValues) =>{
66     try {
67         setloading(true);
68         if (initialData) {
69             await axios.patch(`/api/${params.storeId}/billboards/${params.billboardId}`, data);
70         } else {
71             await axios.post(`/api/${params.storeId}/billboards`, data);
72         }
73         router.refresh();
74         toast.success(toastMessage);
75     } catch (error) {
76         toast.error("Something went wrong.");
77     } finally{
78         setloading(false);
79     }
80 };
81
82 const onDelete = async () => {
83     try {
84         setloading(true)
85         await axios.delete(`/api/${params.storeId}/billboards/${params.billboardId}`);
86         router.refresh();
87         router.push("/")
88         toast.success("Billboard deleted.")
89     } catch (error) {
90         toast.error("Make sure you removed all categories using this billboard first.");
91     } finally{
92         setloading(false)
93         setOpen(false)
94     }
95 }

```

mengupdate untuk file billboard-form.tsx



```
1 import db from "@lib/db";
2 import { auth } from "@clerk/nextjs/server";
3 import { useParams } from "next/navigation";
4 import { NextResponse } from "next/server";
5
6 export async function POST(
7   req: Request,
8   {params}: {params: {storeId: string}}
9 ) {
10   try{
11     const { userId } = await auth()
12     const body = await req.json();
13
14     const {label, imageUrl} = body
15
16     if (!userId){
17       return new NextResponse("Unauthenticated", {status: 401})
18     }
19
20     if (!label){
21       return new NextResponse("label Toko Perlu diinput", {status: 400})
22     }
23
24     if (!imageUrl){
25       return new NextResponse("Gambar URL Perlu diinput", {status: 400})
26     }
27
28     if (!params.storeId) {
29       return new NextResponse("Id Toko Perlu diinput", {status: 400})
30     }
31
32     const storeByUserId = await db.store.findFirst({
33       where: {
34         id: params.storeId,
35         userId
36       }
37     });
38   }
```

membuat folder baru berupa billboards dan file baru route.ts dan memberikan fungsi billboards

```
EXPLOER    ***    boards    client.txt    page.txt ...[billboardid]    .env    M    image-upload.txt    TS next.config.ts    billboard-form.txt    TS routes ...[billboardid] U X    TS routes ...[billboards] U    TS routes ...[storeid] M    ...

OPEN EDITORS
  @ page.txt app/boards
  @ client.txt app/boards
  @ page.txt app/boards
  @ .env M
  @ image-upload.txt
  TS next.config.ts
  billboard-form.txt
  X TS routes app/boards
  TS routes app/boards
  ecommerce-visionwork
  app
  (dashboard) [storeid]
  (routes)
  billboards
  [billboardid]
  @ page.txt
  > components
  > page.txt
  > settings
  @ page.txt
  @ layout.txt
  > (root)
  app
  [storeid] bill...
  [billboardid]
  TS routes U
  TS routes U
  stores
  [storeid]
  TS routes M
  TS routes
  faviconico
  # global.css
  > layout.txt
  > components
  > modals
  > ui
  > OUTLINE
  > TIMELINE

app > api > [storeid] > billboards > TS routes > @ GET > @ billboard > where
1 import db from "@lib/db";
2 import { auth } from "@clerk/nextjs/server";
3 import { NextResponse } from "next/server";
4
5
6 export async function GET(
7   req: Request,
8   { params }: { params: { billboardId: string } }
9 ) {
10   try {
11     if (!params.billboardId) {
12       return new NextResponse("Papan iklan id dibutuhkan", { status: 400 });
13     }
14
15     const billboard = await db.billboard.findUnique({
16       where: {
17         id: params.billboardId,
18       },
19     });
20
21     return NextResponse.json(billboard);
22   } catch (error) {
23     console.log("[BILLBOARD_GET]", error);
24     return new NextResponse("Internal error", { status: 500 });
25   }
26 }
27
28 export async function PATCH(
29   req: Request,
30   { params }: { params: { storeId: string, billboardId: string } }
31 ) {
32   try {
33     const { userId } = await auth();
34     const body = await req.json();
35
36     const { label, imageUrl } = body;
37
38     if (!userId) {
39       return new NextResponse("Unauthenticated", { status: 401 });
40     }
41
42     if (!label) {
43       return new NextResponse("Label menginput nama", { status: 400 });
44     }
45
46     if (!imageUrl) {
47       return new NextResponse("menginput Gambar Url", { status: 400 });
48     }
49
50     const storeByUserId = await db.store.findFirst({
51       where: {
52         id: params.storeId,
53         userId,
54       },
55     });
56
57     if (!storeByUserId) {
58       return new NextResponse("Unauthorized", { status: 403 });
59     }
60
61     // Membuat entri baru pada tabel 'store' dalam database.
62     const billboard = await db.billboard.create({
63       data: {
64         label,
65         imageUrl,
66         storeId: params.storeId,
67       },
68     });
69
70     return new NextResponse(JSON.stringify(billboard), { status: 201 });
71   } catch (error) {
72     console.log("[BILLBOARD_PATCH]", error);
73     return new NextResponse("Internal error", { status: 500 });
74   }
75 }
76
77 export async function DELETE(
78   req: Request,
79   { params }: { params: { billboardId: string } }
80 ) {
81   try {
82     const billboardId = params.billboardId;
83
84     if (!billboardId) {
85       return new NextResponse("Papan iklan id dibutuhkan", { status: 400 });
86     }
87
88     const billboard = await db.billboard.delete({
89       where: {
90         id: billboardId,
91       },
92     });
93
94     return new NextResponse(JSON.stringify(billboard), { status: 200 });
95   } catch (error) {
96     console.log("[BILLBOARD_DELETE]", error);
97     return new NextResponse("Internal error", { status: 500 });
98   }
99 }
100
```

Membuat fungsi GET, PATCH, DELETE pada billboardId

```
File Edit Selection View Go Run Terminal Help ← → ecommerce-visionwork

EXPLOER    ***    boards    client.txt    page.txt ...[billboardid]    .env    M    image-upload.txt    TS next.config.ts    billboard-form.txt    TS routes ...[billboardid] U    TS routes ...[billboards] U X    TS routes ...[storeid] M    ...

OPEN EDITORS
  @ page.txt app/boards
  @ client.txt app/boards
  @ page.txt app/boards
  @ .env M
  @ image-upload.txt
  TS next.config.ts
  billboard-form.txt
  X TS routes app/boards
  TS routes app/boards
  ecommerce-visionwork
  app
  (dashboard) [storeid]
  (routes)
  billboards
  [billboardid]
  @ page.txt
  > components
  > page.txt
  > settings
  @ page.txt
  @ layout.txt
  > (root)
  app
  [storeid] bill...
  [billboardid]
  TS routes U
  TS routes U
  stores
  [storeid]
  TS routes M
  TS routes
  faviconico
  # global.css
  > layout.txt
  > components
  > modals
  > ui
  > OUTLINE
  > TIMELINE

app > api > [storeid] > billboards > TS routes > @ POST > @ storeByUserId > where
1 import db from "@lib/db";
2 import { auth } from "@clerk/nextjs/server";
3 import { useParams } from "next/navigation";
4 import { NextResponse } from "next/server";
5
6 export async function POST(
7   req: Request,
8   { params }: { params: { storeId: string } }
9 ) {
10   try {
11     const { userId } = await auth();
12     const body = await req.json();
13
14     const { label, imageUrl } = body;
15
16     if (!userId) {
17       return new NextResponse("Unauthenticated", { status: 401 });
18     }
19
20     if (!label) {
21       return new NextResponse("Label Toko Perlu diinput", { status: 400 });
22     }
23
24     if (!imageUrl) {
25       return new NextResponse("Gambar URL Perlu diinput", { status: 400 });
26     }
27
28     if (!params.storeId) {
29       return new NextResponse("Id Toko Perlu diinput", { status: 400 });
30     }
31
32     const storeByUserId = await db.store.findFirst({
33       where: {
34         id: params.storeId,
35         userId,
36       },
37     });
38
39     if (!storeByUserId) {
40       return new NextResponse("Unauthorized", { status: 403 });
41     }
42
43     // Membuat entri baru pada tabel 'store' dalam database.
44     const billboard = await db.billboard.create({
45       data: {
46         label,
47         imageUrl,
48         storeId: params.storeId,
49       },
50     });
51
52     return new NextResponse(JSON.stringify(billboard), { status: 201 });
53   } catch (error) {
54     console.log("[BILLBOARD_POST]", error);
55     return new NextResponse("Internal error", { status: 500 });
56   }
57 }
58
59 export async function GET(
60   req: Request,
61   { params }: { params: { billboardId: string } }
62 ) {
63   try {
64     const billboardId = params.billboardId;
65
66     if (!billboardId) {
67       return new NextResponse("Papan iklan id dibutuhkan", { status: 400 });
68     }
69
70     const billboard = await db.billboard.findUnique({
71       where: {
72         id: billboardId,
73       },
74     });
75
76     return new NextResponse(JSON.stringify(billboard), { status: 200 });
77   } catch (error) {
78     console.log("[BILLBOARD_GET]", error);
79     return new NextResponse("Internal error", { status: 500 });
80   }
81 }
82
83 export async function PATCH(
84   req: Request,
85   { params }: { params: { storeId: string, billboardId: string } }
86 ) {
87   try {
88     const { userId } = await auth();
89     const body = await req.json();
90
91     const { label, imageUrl } = body;
92
93     if (!userId) {
94       return new NextResponse("Unauthenticated", { status: 401 });
95     }
96
97     if (!label) {
98       return new NextResponse("Label Toko Perlu diinput", { status: 400 });
99     }
100
101     if (!imageUrl) {
102       return new NextResponse("Gambar URL Perlu diinput", { status: 400 });
103     }
104
105     if (!params.storeId) {
106       return new NextResponse("Id Toko Perlu diinput", { status: 400 });
107     }
108
109     const storeByUserId = await db.store.findFirst({
110       where: {
111         id: params.storeId,
112         userId,
113       },
114     });
115
116     if (!storeByUserId) {
117       return new NextResponse("Unauthorized", { status: 403 });
118     }
119
120     // Membuat entri baru pada tabel 'store' dalam database.
121     const billboard = await db.billboard.create({
122       data: {
123         label,
124         imageUrl,
125         storeId: params.storeId,
126       },
127     });
128
129     return new NextResponse(JSON.stringify(billboard), { status: 201 });
130   } catch (error) {
131     console.log("[BILLBOARD_PATCH]", error);
132     return new NextResponse("Internal error", { status: 500 });
133   }
134 }
135
136 export async function DELETE(
137   req: Request,
138   { params }: { params: { billboardId: string } }
139 ) {
140   try {
141     const billboardId = params.billboardId;
142
143     if (!billboardId) {
144       return new NextResponse("Papan iklan id dibutuhkan", { status: 400 });
145     }
146
147     const billboard = await db.billboard.delete({
148       where: {
149         id: billboardId,
150       },
151     });
152
153     return new NextResponse(JSON.stringify(billboard), { status: 200 });
154   } catch (error) {
155     console.log("[BILLBOARD_DELETE]", error);
156     return new NextResponse("Internal error", { status: 500 });
157   }
158 }
159
```

Memperbaiki route pada billboard

```

39
40 model Category {
41   id String @id @default(uuid())
42   storeId String
43   store Store @relation("StoreToCategory", fields: [storeId], references: [id])
44   billboardId String
45   billboard Billboard @relation(fields: [billboardId], references: [id])
46   name String
47   createdAt DateTime @default(now())
48   updatedAt DateTime @updatedAt
49
50   @@index([storeId])
51   @@index([billboardId])
52 }

```

Menambahkan model prisma baru berupa model Category.

```

{
  href: `/${params.storeId}/categories`,
  label: 'categories',
  active: pathname === `/${params.storeId}/billboards`,
},

```

Menambahkan navbar berupa menu baru yaitu categories.

Hasil :

Toko01 Overview Billboards categories settings

```

v app
  > (auth)
  v (dashboard) \ [storeId]
    v (routes)
      > billboards
      > categories
      > settings
    ⚙ page.tsx
    ⚙ layout.tsx

```

Mengcopy folder billboards dan merename menjadi categories hingga menu categories pun bisa terpanggil.

hasil :

←

→

↺

localhost:3000/232157a8-c166-43ab-8102-731cc8570d73/cat... ☆

🏠

📑

👤

⋮

Toko01 ▾

Overview Billboards categories settings

👤

Billboards(1)

Kelola Billboard untuk toko Anda

+ Add New

Search

Label	Date	
Rifki Ganteng	January 20th, 2025	...

Previous

Next

API

API calls for Billboards

📄 GET public

`http://localhost:3000/ap/232157a8-c166-43ab-8102-731cc8570d73/billboards` 📄

⚡ 📄 GET public

```

7  const CategoriesPage = async ({
8    params
9  }): {
10    params: {storeId: string}
11  }) => {
12    const categories= await db.category.findMany({
13      where: {
14        storeId: params.storeId
15      },
16      include: {
17        billboard: true,
18      },
19      orderBy: {
20        createdAt: 'desc'
21      }
22    });
23
24    const formattedCategories: CategoryColumn[] = categories.map((item) => ({
25      id: item.id,
26      name: item.name,
27      billboardLabel: item.billboard.label,
28      createdAt: formatDate(item.createdAt, "MMMM do, yyyy" )
29    }));
30
31    return (
32      <div className="flex-col">
33        <div className="flex-1 space-y-4 p-8 pt-6">
34          <BillboardClient data={formattedCategories}/>
35        </div>
36      </div>
37    );
38  }
39
40  export default CategoriesPage;

```

Pada page.tsx folder categories kita memakai file lama dan lalu menyesuaikan Namanya menjadi CategoriesPage dan menyesuaikan lainnya dan menambahkan include pada const categories yang sudah saya kotakin orange, dan merubah dan menambahkan isi const pada formattedCategories berupa name dan billboardLabel yang saya kotakin warna yellow.

```

8 export type CategoryColumn = {
9   id: string
10  name: string
11  billboardLabel: string
12  createdAt: string
13 }
14
15 export const columns: ColumnDef<CategoryColumn>[] = [
16   {
17     accessorKey: "name",
18     header: "Name",
19   },
20   {
21     accessorKey: "billboard",
22     header: "Billboard",
23     cell: ({ row }) => row.original.billboardLabel,
24   },
25   {
26     accessorKey: "createdAt",
27     header: "Date",
28   },
29   {
30     id: "Actions",
31     cell: ({row}) => <CellAction data={row.original}/>
32   }
33 ]
34

```

Lalu pada columns.tsx menyesuaikan namasebelumnya menjadi CategoryColumn. Menambahkan string baru berupa name dan billboardLabel seperti yang saya kotakin Orange. Dan lalu menyesuaikan isi const columns seperti yang saya kotakin Yellow.

```

10 import { DataTable } from "@components/ui/data-table"
11 import { Apilist } from "@components/ui/api-list"
12 import { CategoryColumn, columns } from "./columns"
13
14 interface CategoryClientProps{
15   data: CategoryColumn[]
16 }
17
18 export const CategoryClient: React.FC<CategoryClientProps> = ({
19   data

```

Melakukan penyesuaian pada client.tsx dan mengganti menjadi Category.

```

return (
  <>
    <div className="flex items-center justify-between">
      <Heading
        title={`Categories(${data.length})`}
        description="Kelola Kategori untuk toko Anda"
      />
      <Button onClick={() => router.push(`/${params.storeId}/categories/new`)}>
        <Plus className="mr-2 h-4 w-4"/>
        Add New
      </Button>
    </div>
    <Separator />
    <DataTable searchKey="label" columns={columns} data={data}/>
    <Heading title="API" description="API calls for Categories"/>
    <Separator/>
    <ApiList entityName="categories" entityIdName="categoryId"/>
  </>
)

```

Melakukan perbaikan pada return dari yang sebelumnya billboard menjadi categories.

Hasil :



