**NextJS**

**Special Files**

page.tsx

layout.tsx

template.tsx

not-found.tsx

loading.tsx

error.tsx

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default.tsx

A screen shot of a computer

Description automatically generated

**React 18 – Client and Server Components**

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Description automatically generated

**Routing Conventions**

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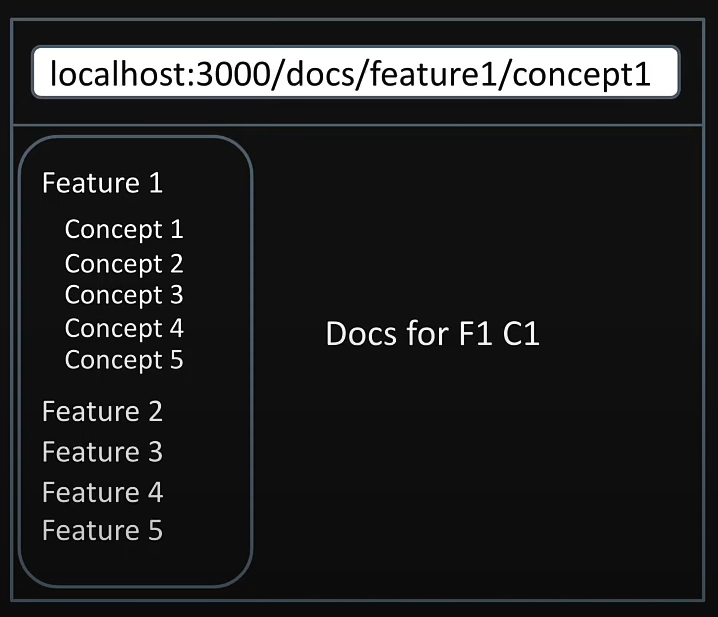
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**Dynamic route**

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**Catch-all Segments**



**404 Not found page**

**File colocation**

**Private Folders**

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Description automatically generated

**Route Groups**

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Description automatically generated A screenshot of a computer

Description automatically generated

/auth/login → /login

**Layout**

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Description automatically generated

**Nested layout**

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**Routing metadata**

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A black and white text on a black background

Description automatically generated

export *const* metadata = {

  title: 'Next.js',

  description: 'Generated by Next.js',

}

export *const* generateMetadata = ({ *params* }*:* Props)*:* Metadata *=>* {

    return {

        title: `Product ${params.productId}`

    }

}

**Title metadata**

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Description automatically generated

**Navigation**

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Description automatically generated

"use client";

*import* { useRouter } from "next/navigation";

        router.push("/");

        router.replace("/");

        router.back();

        router.forward();

**Templates**

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**A screenshot of a computer

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**Loading**

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Description automatically generated

A black screen with white text

Description automatically generated

**Error handling**

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It will fall back to the most inner error.tsx

Layout.tsx will fallback the error to outside it folder

**Parallel Routes**

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**Unmatched Routes**

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**Conditional Routes**