✅ Professional Folder Naming Convention

Type	Naming Convention	Example
Component files	**kebab-case** or `index.tsx` inside folder	`user-card.tsx`, `header/index.tsx`
Utility functions	**kebab-case**	`format-date.ts`, `calculate-total.ts`
Hooks	**use- prefix + kebab-case**	`use-auth.ts`, `use-fetch-user.ts`
Services (API)	**kebab-case**	`user-api.ts`, `auth-service.ts`
Context files	**kebab-case**	`auth-context.tsx`, `theme-context.tsx`
Stylesheets	**kebab-case.module.css / scss**	`user-card.module.css`, `home-page.module.scss`
Test files	Same name + `.test.tsx` or `.spec.ts`	`user-card.test.tsx`, `utils.test.ts`
Config files	**kebab-case**	`env-config.ts`, `db-config.ts`
Models	**singular-kebab-case**	`user.ts`, `order.ts`
Controllers	**singular-kebab-case**	`user.controller.ts`, `auth.controller.ts`
Middleware	**kebab-case**	`validate-user.ts`, `auth-middleware.ts`
Routes (Express/Node)	**kebab-case**	`user-routes.ts`, `auth-routes.ts`

🎯 General Rules to Follow

✅ Use `kebab-case`

- Preferred by industry across platforms (Node.js, React, Linux, etc.)
- Avoids conflicts with OS case sensitivity (e.g., macOS vs Linux)
- Easy to read and parse in large codebases

✅ Match File Name to What It Exports

- If the file exports a component `UserCard`, then the file should be `user-card.tsx` or `index.tsx` inside a `user-card/` folder.

✅ Use `index.tsx` for default exports in folders

bash

CopyEdit

```
/components
  /user-card
    index.tsx       ← main component
    user-card.module.css
```

ts

CopyEdit

```
import UserCard from '@/components/user-card';
```

❌ Anti-Patterns (Avoid These)

Bad Pattern	Why it's bad
`UserCard.tsx`	PascalCase file names are discouraged
`formatDate.ts`	camelCase not preferred

`AuthService.ts`	PascalCase with "Service" suffix not consistent
`user.tsx` (for component)	Too generic, doesn't describe the purpose
`stuff.ts` or `common.ts`	Vague file names cause confusion

✅ When to Use PascalCase or camelCase?

Case	Use it for
PascalCase	Component or class **names** inside the file (`function UserCard() {}`)
camelCase	**Variable and function names** inside files (`const fetchUserData = () => {}`)
kebab-case	**File and folder names only** (`user-card.tsx`)