## **✅ 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 |

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## **🎯 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) |