

Design System Assignment

Focus: Color + Data Display + Navigation Components

Tech Stack: React + TypeScript + TailwindCSS (or styled-components) + Storybook



What You Need to Do:

Build the components listed below using **React + TypeScript**, and document them in **Storybook**. Structure your project as a scalable, reusable **design system** suitable for **enterprise applications**.

For each component:

- Create a dedicated folder/module
- Use TypeScript for defining props/interfaces
- Add a Storybook entry with:
 - All types, states, and variants
 - Documentation and usage notes
 - Accessibility checklist
- Push your project to a public or private **GitHub** repo



Objective:

Assess your ability to:

- Build and implement color tokens
- Develop reusable data display and navigation components
- Handle interaction states and behaviors
- Ensure accessibility and responsiveness
- Document usage with Storybook clearly and concisely



Foundational Element: Color System

Create a token-based color system supporting B2B enterprise UI needs:

- Primary, Secondary, Tertiary Colors
- Neutral Colors (greys, whites, backgrounds, borders)
- Semantic Colors: Success, Info, Warning, Error

- Surface & Background Layers
- Light & Dark Theme Support

Requirements:

- WCAG-compliant contrast ratios
- CSS variables or theme support
- Storybook documentation: usage examples, naming conventions, accessibility notes



Choose 1 or 2 Data Display Components to Build:

Pick from:

- Accordion
- Tag / Badge / Pill
- Tooltip
- Timeline
- Progress Bar / Spinner
- Tree View
- Table (with optional sorting/filtering)

Support:

- All relevant states (default, hover, focus, disabled)
- Variants (size, color, type)
- Keyboard navigation and ARIA roles
- Responsiveness and theming



Choose 1 or 2 Navigation Components to Build:

Pick from:

- Top Navigation Bar
- Sidebar Navigation (with collapse/expand)
- Tabs
- Breadcrumbs
- Pagination










Support:

- All relevant states (selected, hover, focus, disabled)
- Variants (orientation, sizes, icon support)

- Responsive behavior (mobile/tablet/desktop)
- ARIA roles and keyboard navigation

Documentation Checklist (via Storybook):

Please include the following for each component:

-  Component Name + Description
-  Props / API
-  Use Cases
-  Anatomy / Structure
-  States & Variants
-  Interaction Behavior
-  Accessibility Notes (ARIA, Focus Management)
-  Theming / Responsiveness Support
-  Do's and Don'ts / Best Practices

Submission Guidelines

Please share the following:

- **GitHub Repository Link**
Include a clear folder structure and well-documented README.
- **Storybook Preview Link**
Deploy the Storybook using **Chromatic** (preferred) or **Vercel**.
- **Screenshots or Screen GIFs**
Useful for backup or showcasing interactive behaviors.