Design System Assignment

Focus: Typography + Data Entry + Feedback 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 types/interfaces for props
- Include a Storybook entry with:
  - All variants and states
  - Usage documentation and notes
  - Accessibility checklist
- Use GitHub and push your code to a public or private repo

🎯 Objective:

Evaluate your understanding of:

- Component architecture and prop abstraction
- Theming and responsive layouts
- Accessibility and interaction behavior
- Storybook documentation practices
- Frontend scalability for B2B design systems

🧱 Foundational Element: Typography

Build a **Typography component system**:

- Define tokens for font-size, weight, line-height, and letter spacing
- Create components for:

- ○ Headings (H1–H6)
- ○ Paragraphs
- ○ Labels, Captions, Helper Text
- Implement **theming support** (light/dark mode, brand tokens)
- Apply **accessible contrast** and responsive behavior
- Storybook documentation: usage examples, naming conventions, accessibility notes

🧩 Choose 1 or 2 Data Entry Components to build:

Pick from:

- Text Input
- Dropdown / Select Menu
- Checkbox
- Radio Button
- Toggle Switch
- Date Picker
- File Upload

Support:

- States (default, hover, focus, error, disabled)
- Variants (e.g., sizes, icon support)
- ARIA roles & keyboard navigation
- Theming and responsiveness

⚠️ Choose 1 or 2 Feedback Components to build:

Pick from:

- Toast / Snackbar (info, error, success, warning)
- Popover (with contextual message or action)
- Alert Banner / Notification (info, error, success, warning)
- Modal Dialog (Confirmation / Error)

Support:

- Mount/unmount behavior
- Variants (e.g., sizes, icon support)
- ARIA roles & keyboard navigation
- Theming and responsiveness
- Configurable content

📄 Documentation Checklist (via Storybook):

In your Storybook, please include:

- ✅ 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 a 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.