Test Assignment: Web Interface for Log System (React + Tailwind CSS)

Objective

To assess your skills in building responsive, accessible UIs using **Tailwind CSS** and **React**.

Tech Stack

- **Frontend:** React + TypeScript *(preferred)*
- **Styling:** Tailwind CSS *(required)*
- **Backend:** Node.js/Express *(minimal implementation)*

UI Requirements

Required Elements

Logs Table

- Columns:
    - **Owner** *(editable)*
    - **Created At** *(read-only)*
    - **Updated At** *(read-only)*
    - **Log Text** *(editable)*
    - **Actions** *(delete/save buttons)*
- Features:
    - Pagination *(if more than 10 entries)*
    - Responsive design *(mobile/desktop)*

Additional Components

- Modal confirmation for deletion
- Toast notifications *(success/error)*
- Loading indicator/spinner

Layout & Styling Requirements (Main Focus)

- Use **only Tailwind CSS** (no custom CSS)

- Responsive layout *(from 320px and up)*

- UI states: hover, focus, disabled

- Accessibility: ARIA roles, semantic HTML

- Visual consistency

Backend (Minimal Spec)

```
// Example API
{
  "GET /logs": "Fetch all logs",
  "POST /logs": "Create a new log",
  "PUT /logs/:id": "Update a log",
  "DELETE /logs/:id": "Delete a log"
}
```

Evaluation Criteria

Criterion	Weight	Details
Layout Quality	60%	Pixel-perfect using Tailwind
Functionality	30%	Working CRUD implementation
Bonus Features	10%	Tests, deployment

Submission Format

Required:

- GitHub repository

- README.md with setup instructions

- UI screenshots

Bonuses:

- Live demo (Vercel/Netlify)

- Tests (Jest/Cypress)

- Custom Tailwind plugins