

# Full-Stack Take-Home Assignment

Frontend Implementation: <https://interview-part1-frontend.vercel.app>

Tech stack:

- **Backend:** better-auth (auth + org plugin), Node/NestJS or Next.js API routes
- **Frontend:** Next.js
- **Database:** PostgreSQL

Estimated effort

Submission window: Deadline: Dec 2nd

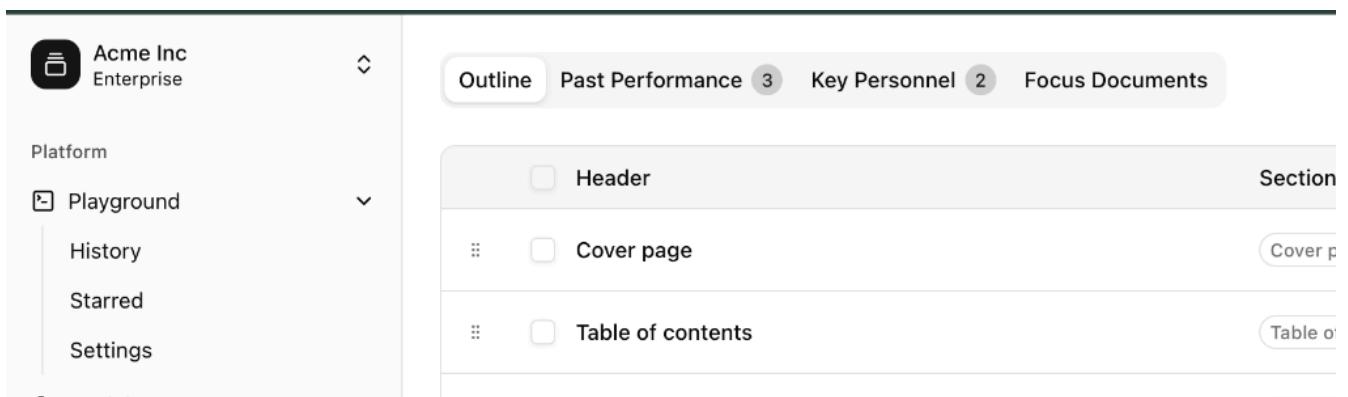
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## Goal

Build a **mini multi-tenant workspace app** where users can:

1. **Sign up / sign in** using **better-auth**
2. **Create and join organizations** (using the **organization plugin**)
3. Inside an organization, manage a simple list of “outline” (Figure 1)

This tests your ability to work with real-world authentication flows, multi-tenant logic, and a Next.js frontend.



The screenshot shows a user interface for managing an organization's outline. On the left, there is a sidebar with a logo for 'Acme Inc Enterprise' and a dropdown menu. Below that is a 'Platform' section with 'Playground' selected, and links for 'History', 'Starred', and 'Settings'. On the right, there is a main content area with a navigation bar at the top: 'Outline' (selected), 'Past Performance 3', 'Key Personnel 2', and 'Focus Documents'. Below this is a table-like structure with three rows. The first row has a checkbox next to 'Header' and a 'Section' link. The second row has a checkbox next to 'Cover page' and a 'Cover p' link. The third row has a checkbox next to 'Table of contents' and a 'Table o' link. The entire interface is styled with a clean, modern look.

Figure .1



# Backend Requirements

Use **better-auth** (<https://better-auth.com/>) with:

## 1. Authentication

- Implement **email + password** auth Store user accounts in PostgreSQL

## 2. Organization Plugin

- Users can:
  - Create an organization
  - Invite another user by email
  - View a list of members
- Implement at least two roles:
  - **Owner**
  - **Member**

## 3. Authorization

Inside each organization's workspace:

- **Only members** can access the org's data
- **Only the owner** can invite/remove members

## 4. API

**Create CRUD endpoints for team members” scoped by organization:**

Each Organization will have **One Owner and Many Members**

**Create CRUD endpoints for “outline” scoped by organization:**

**Fields:**

- **Header:** String
- **Section type:** Enum[“Table of Contents” | “Executive Summary” | “Technical Approach” | “Design” | “Capabilities” | “Focus Document” | “Narrative”]
- **Status:** Enum [“Pending”, “In-Progress”, “Completed”]
- **Target:** Int
- **Limit:** Int
- **Reviewer:** Enum [“Assim”, “Bini”, “Mami”]

# Frontend Requirements

**Note:** Use react shadcn library, all your component needs can be copied directly from this page <https://ui.shadcn.com/blocks>. The dashboard is a combination of <https://ui.shadcn.com/blocks#dashboard-01> and <https://ui.shadcn.com/blocks#sidebar-07>

## **Note:**

Partial implementation is here <https://interview-part1-frontend.vercel.app>

The table row can be added/deleted/modified using the sheet component. This component has three triggers:

- “Add section”
- Content of header cell (example cover page)
- More button -> Edit



+ Add Section

## Implementation:

- Auth Pages
  - Sign-In Page
  - Sign-Up Page
  - Create-Organization Page
  - Join-Organization Page
- Table Page
  - Exact replica of <https://interview-part1-frontend.vercel.app>
  - In this page you can add/modify/delete using the sheet component
- Team Page
  - Important: You create this page
  - Display organization name
  - Display team members
  - Users with Owner role can:
    - Invite new team members
    - Revoke memberships