

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

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.

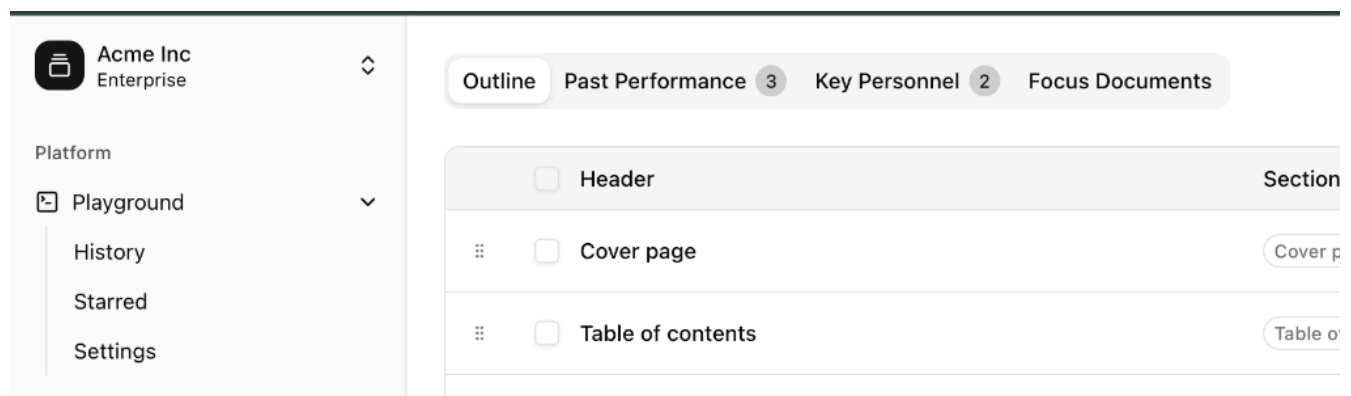


Figure .1

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**

header		Section type	Status	target	Limit	Reviewer	
Toggle Sidebar	Cover page	Cover page	In Process	18	5	Eddie Lake	

+ 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: Your create this page
 - Display organization name
 - Display team members
 - Users with Owner role can:
 - Invite new team members
 - Revoke memberships