

Interview Task (Employee Dashboard)

Goal: Enhance the **Employee Management Dashboard** into a more feature-rich and interactive application — simulating a real-world admin panel.

Core Features (CRUD Enhancement)

1. Full CRUD with Persistent Storage

- Replace mock data with **localStorage** or **mock API** (JSON Server / Or Local State).
- Ensure data updates persist after refresh.
- Handle error and loading states with Ant Design `<Spin />` and `<Alert />`.

2. Enhanced Edit Flow

- Use a **Drawer** instead of a Modal for editing employees.
- Pre-fill the form with employee data.
- Include a “Save & Continue Editing” button.

3. Soft Delete

- Instead of removing directly, mark as “Archived” with a Tag.
- Add a toggle switch to view **Active / Archived** employees.

Search & Filter (Advanced)

4. Global Search Bar

- Implement **debounced search** (500ms delay using `useEffect + setTimeout`).
- Search across multiple fields (name, department, role, status).

5. Multi-Filter System

- Combine filters:
 - Department (Dropdown)
 - Status (Dropdown)
 - Joining Date Range (RangePicker)
- Use AntD’s Form layout for clean control alignment.

6. Sorting

- Enable sorting on all columns (name, department, joining date).
- Preserve sort state between page reloads using `localStorage`.

UI/UX & Layout

7. Responsive Layout

- Use AntD Grid and Card view toggle:
 - Table View (default)
 - Card View (toggle icon)

8. Toast Notifications

- Use Ant Design’s message or notification after Add/Edit/Delete.

9. Pagination

- Use AntD Table built-in pagination.
- Add “Items per page” selector.

10. Empty State

- Show a friendly image + message when no data matches filters.

11. Validation Rules

- Use AntD Form validation:
 - Name: required
 - Department: required
 - Role: required
 - Joining Date: not future date
 - Status: required

12. Bonus Challenge

- Add a **Performance Score** field (1–100).
- Render it using an AntD **Progress** bar in the table.