

# 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.