**Please read instructions carefully: this is not a timed test.**

 if we like your code, we will schedule interview with hiring manager.

This is the test project only. You can take as much time as needed. Send me the deployed app URL/Github link. The deadline to submit is 2 days after assignment.

We’re looking for a backend engineer skilled in GraphQL and Node.js and spring boot to support our React-based application. As part of the selection process, candidates are invited to complete a project that involves building a backend service for an employee management app. Requirements are as follows:

* **Backend Setup**: Create a GraphQL API
* **Data Model**: Store employee data with fields like ID, name, age, class, subjects, and attendance.
* **GraphQL Schema**:
  + **Queries**:
    - List employees with optional filters.
    - Retrieve details for a single employee.
    - List employees with pagination.
  + **Mutations**:
    - Add
    - update
* **Pagination & Sorting**: Implement pagination for queries and sorting
* **Authentication & Authorization**: Secure API with role-based access control. ( admin, employee. Few features are accesible for employee and few for admin)
* **Performance Optimization**: Please demonstrate essential peformance considerations.