IPANGRAM MERN TEST

Frontend

1. Create a Signup/login page for employees and managers.
2. Page to create, update, and delete the departments (Only managers can do that)
3. Page to show all employees.
4. Page/Model to show employees details. (For managers and employees both)
5. Filter button to filter employees according to their location and name in ascending and descending order. (This needs to be done using the API endpoint not with client-side javascript code)
6. Managers can assign the departments to employees.

Backend

1. Login/signup route.
2. Create, read, update, and delete routes for the departments. (Only managers can do that)
3. Create, read, update, and delete employees. (Update and delete only managers can do that)
4. Two endpoints to filter employees. (Need to integrate at the task 5 in frontend)

   a. Give employees an array according to employees' location in ascending order. (employees whose locations start with A came at the top)

   b. Give employees in ascending and descending order of their names according to the selected filter.

Note:-

1. Code quality and form validation (from react.js or node.js side) must have.
2. Make a proper Database, you can take the necessary columns/fields if you want.
3. An employee can only see their data, not others.
4. Managers can see departments with assigned employees.

Bonus Points

1. If the server throws good error messages.
2. If you are able to implement the pagination in the front end with the help of backend code.
3. If you add a good readme file that explains your task.
4. If in the frontend and backend code you follow clean code practices.
5. Make reusable javascript functions and avoid code duplication.
6. Use of useMemo hook and useCallback hook.