MIND BOWSER

Assignment

For 1-2 years experience:

The Manager and Employee assignment with social-oauth/JWT implementation, swagger, logger and pagination for list details.

Brief:

The portal will include the Login and Sign up of the manager and once the manager gets logged into the portal, he can perform CRUD operation like:

- Add an employee.
- Get employees list.
- Delete employee.
- Update employee.

Checklist:

1. Should follow the best practices.
2. Swagger should be implemented for all the endpoints created.
3. Sign up and Login should be done using mentioned authentication.
4. Encryption should be used for sensitive data.
5. All the validations and errors should be handled.
6. Add a readme file in the repository to run and test the assignment.

Entity:-
Manager Properties: email, firstname, lastname, password, address, dob, company.
Employee Properties: id, email, firstname, lastname, password, address, dob, company, mobile, city.

Front End:

Instructions:

1. Must use basic concepts of Angular/React.
2. Must use routing, dependency injections, HTTP server call.
3. Sign up for Codegrip and scan your project for code quality, provide us a report of same as a final deliverable(can take a screenshot of Project Dashboard and attach with email along with GitHub link)
4. Please write a clear & clean code with proper comments.
5. Your code will be reviewed on code style, best practices, exception handling, and code Management.
6. Feel free to use UI frameworks like bootstrap, material, etc.

Contains three screens:

1. Manager sign up
2. Manager login
3. Home Screen (Should show subscription here and after selecting subscription payment should be initiated.)

Manager Sign up:
1. The manager should be able to Sign up using his properties.

Manager Login:
1. The manager should be able to login using his email and password and should redirect to the home screen. Should handle error scenarios.

Home Screen:
1. The home screen should contain a list of employees with pagination and add an employee button on the top right corner.
2. On clicking the add employee button popup should open where the manager can fill employee details and to submit details should be sent to the server and should be stored in the DB and error scenarios should be handled.
3. The Manager can update and delete employees from the list.
4. Provide a button to update employee records. On clicking the update button pop up should be open with employee details in edit mode.
5. Confirmation model should show before update and delete employees
6. Should show backend error and success response messages.

Back End:

Instructions:
1. Use Python (Django Rest Framework) with class-based views.
2. Must use MySQL for DB operations.
3. Signup for Codegrip and scan your project for code quality, provide us a report of same as a final deliverable(can take a screenshot of Project Dashboard and attach with email along with GitHub link)
4. Please write clear & clean code with proper comments.
5. Your code will be reviewed on code style, best practices, exception handling and code management.
6. Attach schemas after completion of the assignment.

Develop web services using Python (Django Rest Framework) and Angular/React which can be used for the front end.

1. **Manager Signup:**

   a) Insert manager details in tables.

   b) Manager records should be unique based on email, which means duplicates records should not be able to enter in DB.

2. **Manager Login:**

   a) The manager can log in based on email and password.

3. **Create Employees.**

   a) The manager can create employees.

4. **Retrieve all employees.**

   a) Retrieve all the employees in sorted order of first and last name.

5. **Update Employee.**

   a) The employee records should be able to update.

6. **Delete Employee.**

   a) The employee record should be able to be deleted.

Create DB tables accordingly.