

Leave Management

For this Test you need to know and build a leaves tracking module of how it works in Organizations. The required features will be as follows:

- We need you to register employees (See 2).
- You can use respective credentials to login either as User or Admin.
- Admin role can have static username & password.
- After login we expect you the following:

1) How to apply a leave functionality which is as below:

- a) Create a screen to add a leave request.
- b) You can't edit your leave once you have applied.
- c) You can cancel the leave before 3 days from your day of leave.
- d) listing of my applied/approved leaves.
- e) Below fields will be displayed in listing
 - Name(only needed for admin, not for employee)
 - Leave Type (Schema given below)
 - Start Date
 - End Dates
 - Date of request
 - Reason for leave

2) Admin functionality which is as below.

- a) Register employees in the organisation.
- b) Approve/reject leave of employees.
- c) Leave listing is as below.
 - Add filters that contain employee names.
 - Leaves are filtered based on employee.
- d) Perform the Export to Excel functionality on the leave list.
- e) Add the default leave balance for employees when they are registered
- f) When the admin approves the leave request, deduct the balance from Leave Balance and update leave status.
- g) If the admin rejects the leave, update leave status.
- h) When admin add employee, it can also add employee leave balance according their types(Use DropDown for leavetype and Textbox for leavebalance).

Tables

- Insert One Static Record in User For Admin Role.

1) User

- Id
- FirstName
- LastName
- Email address
- Department
- Designation
- ContactNo
- Password
- RoleId

2)Leave

- Id
- UserId
- Leave Type
- Start Date
- End date
- Date of request
- Reason for leave
- Status

3)Leave Balance

- Id
- UserId
- LeaveTypeId
- Balance

4) Leave Type (Static)

- Id -
- Type
- Description
- Validity (from-to)

5) Roles(Static)

- Id
- Name

Notes:

1. Make other tables dynamic as per above requirement.
2. Code with APIs called using jQuery/ajax or angular.

3. Use Automapper,DI and CodeFirst Approach.
4. Validation should execute using javascript.
5. Don't use the MVC (scaffolding) HTML editor for creating, updating and listing.
6. Use JWT for Authentication.
7. UI needs to be better(use Bootstrap, HTML CSS)
8. LeaveType example(Casual Leave,Sick leave,Leave without Pay)
9. **Chatgpt/openai use not allowed**