

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**