

Task: Create a Custom Module for Employee Leave Management

1. Objective: Develop a custom Odoo module that allows employees to submit leave requests and managers to approve or reject them. The module should integrate with the existing HR module.

2. Requirements:

- Add a new model `hr.leave` with fields for `employee_id`, `leave_type`, `start_date`, `end_date`, `reason`, and `state`.
- Create views for form and list that display leave requests.
- Implement access control rules to ensure only the requesting employee and their manager can view and manage the leave request.
- Add a workflow that includes states for 'Draft', 'Submitted', 'Approved', 'Rejected', and transitions between these states.
- Write tests for the new module to ensure functionality.

3. Development Steps:

- Set up a new Odoo module skeleton using the scaffolding command.
- Define the `hr.leave` model with the required fields in a Python file.
- Create the XML files for the form and list views.
- Set up the access control rules in a security XML file.
- Implement the workflow logic in the model's Python file.
- Write unit tests for the new functionalities.

4. Expected Outcome:

- A fully functional leave management module that can be installed on any Odoo instance.
- The module should pass all the unit tests without errors.