NORTHWIND EXPENSE MANAGEMENT SYSTEM
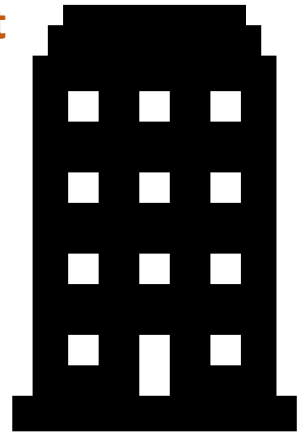
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About Northwind:

- **Northwind wants to build expense management**

   application for 20 employees.

- **User types: Employees & Managers**

- **Budget is limited.**

Northwind Company

General Requirements:

- **Employees submit expense requests.**
- **Managers have to approve/reject requests.**
- **A single expense request contains several expense items.**
- **Employees have hierarchy (Two level: Employee and Managers)**
- **Email notifications to managers & employees based on the status change.**

Eg: John attends a business meeting in a different city.

1. John will submit an expense request using the application.

2. A single expense request contains many expense items such as

   - Taxi expense

   - Hotel expense

Entities and Fields

Fields on Expense Request

1. Title
2. Description
3. Total Amount
4. Client (The company the expense is spent on)
5. Created On
6. Approval date
7. Status (Draft, Submitted, Approved, Rejected)

8. Due date

Fields on Expense Item

1. Title

2. Item Amount

3. Expense Type (Possible values: Air, Taxi, Hotel etc.)

4. Receipt of the expense (as attachment)

Security

Employees

1. Can create expense request and items.
2. Cannot change the status.
3. Cannot edit the expense request once submitted.
4. Cannot delete any records.
5. Can see their own records.

Managers

1. Can edit expense request and items.
2. Can see all the records.
3. Cannot delete records.

Reporting Requirements

1. Monthly Reimbursement Report (How much amount got reimbursed each month)?
2. Reimbursement Report by employee