CUSTOM ERP SYSTEM

CLIENT e.g REACT

DASHBOARD
WIDGETS (project stats, Pending tasks, Commission Forecast, CRM pipeline)
Aggregate data from Multiple modules using API
Purpose: To provide an Overview of the Business Health.

Project Management
Lists Tasks
We could use a Gantt View
Time Logging

Human Resource Portal

Employee Management

Payslips access/
Managment

Staff Records(Contractors,
Marketers)

Attendance and Leaves

Will be accessed base on
Role.

CRM WORKSPACE

A central place to store
all clients info

Potential Leads. Maybe
filled forms, referred
or Called in

Track leads through stages
we could use Kanban

Email campaigns, SMS promotio
Ads tracking

Finance and Account

Show total Revenue

Outstanding Invoices

Net profit/ Loss

Commission Payouts due

Document Management

Upload documents eg
Receipt, Reports, Invoices

Generate Documents.

Documents Types

**Search & Filter by
documents**

Admin / Settings

User Roles / Permissions

eg Finance Officer, Admin,
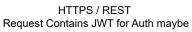Sales Officer, Contractor

Granular permission
who can access CRM, HR,
DOCS

Shared Clients States and Apis:

Global States we could use Zustand: Auth states, User permissions, Notifications

Client for Apis: handle all the data fetching, caching for optimization, Loading states for visual Impacts

pre fetch data in the Background.

HTTPS / REST
Request Contains JWT for Auth maybe

API SERVER (LARAVEL / EXPRESS)

API GATEWAY LAYER

JWT verification

Role Based Access Middleware

Route Incoming Requests to appropriate Internal Modular Route

AUTH MODULE

ROUTER

H R
MODULE

ROUTER

PROJECTS
MODULE

ROUTER

COMMISSIONS
&
FINANCE

MODULE

ROUTER

CRM MODULE

ROUTER

DOCUMENTS
MODULE

ROUTER

SYSTEM MAY HAVE SERVICES TO HANDLE RESPECTIVE MODULE ROUTES

DATA ACCESS LAYER ORM WRAPPED

DATABASE SHOULD BE RELATIONAL BECAUSE OF THE MANY RELATIONSHIPS

NEXT UP AN ERD