

“The Contract Management Platform” App Generation Prompt

Project Type: Web Application

Target User (Who is it for?):

- **Admin user:** Responsible for managing and overseeing the entire contract lifecycle, with full access to all features.
- **3rd Party Vendors:** Need to create accounts, undergo an identity verification process, and use a portal to submit and track their contracts.

App Functionality (What it does and Features):

Develop a sophisticated Contract Management System with a strong emphasis on AI-driven insights, vendor verification, and a modern user experience.

Core Features:

- **Admin Dashboard:**
 - **KPIs:**
 - Average contract processing time.
 - Approval rate.
 - Contracts nearing expiration (e.g., **Number of contracts expiring in the next 30 days**).
 - Overall contract value.
 - **Contract List & Status:** A clear, filterable, and sortable list of all contracts, displaying their current status (e.g., Pending, AI Analysis, Approved, Rejected, Needs More Info).
 - **AI Contract Analysis:** For each submitted contract, AI should:
 - Analyze the content.
 - Suggest an action: Approve, Request More Information (with specific points highlighted), or Reject (with reasons).
 - Extract key data points.
 - **Overall Contract Status Overview:** Visual representation (e.g., pie chart, progress bars) showing the percentage of contracts that are Accepted, Rejected, Pending, etc.
 - **Contracts by Industry (in Billion \$):** A visual chart or graph displaying the total contract value aggregated by industry.
 - Quick access to recently viewed or high-priority contracts.
 - **In-app Notifications:** A "bell icon" indicating new submissions, status changes, or critical updates.
- **Contract Management Module (Admin):**
 - Create, view, edit, and manage contract details.
 - Manually override AI suggestions if needed.
 - Securely store and access contract documents (submitted letter, main contract, sensitive data attachments).
 - Track contract lifecycle and history.

- Search and filter contracts based on various criteria (ID, title, status, dates, vendor).
- **Vendor Portal & Onboarding:**
 - **Vendor Account Creation:** Secure registration process for new vendors.
 - **Vendor Identity Verification:** An onboarding step involving "document analysis" to verify vendor identity (initially, this can be a placeholder for the process, perhaps allowing manual admin approval after document upload).
 - **Vendor Contract Submission:** Once verified, a simple and secure interface for vendors to submit new contracts.
 - Fields for contract title, uploading the contract letter, the contract document itself, and any other required sensitive data.
 - **Vendor Contract Tracking:** Vendors should be able to track the status of their submitted contracts (e.g., Submitted, Under Review, Approved, Rejected).
- **Contract Data Model:**
 - **ID:** Unique identifier (auto-generated, not prominently displayed unless viewing a specific contract).
 - **Title:** Clear and concise contract title.
 - **Acceptance Status:** (e.g., Pending, AI Review, Needs User Review, Approved, Rejected, More Info Requested, Archived).
 - **Start Date:** The effective start date of the contract.
 - **End Date:** The expiration date of the contract.
 - **Submission Date:** The date the contract was submitted.
 - **Submitted Letter:** Field for attaching the initial proposal or cover letter (document upload).
 - **Contract Document:** Field for attaching the main contract file (document upload).
 - **Sensitive Data:** Secure field(s) or section for attaching or noting any sensitive information related to the contract (document upload or encrypted text).
 - **Vendor Information:** (e.g., Vendor Name, Contact, Verification Status).
 - **AI Analysis Summary:** (e.g., suggested action, confidence score, key clauses highlighted).
- **User Management (Admin):**
 - Admin user with full access.
 - Management of vendor accounts (e.g., approve/reject verification, disable accounts).

AI & Innovation Focus:

- **AI Contract Analysis:** Core feature for contextual understanding, action suggestions, and data extraction.
- **AI for Vendor Verification:** AI-powered compliance check against (mock or conceptual) government data to verify vendor legitimacy.
- Explore AI for identifying potential risks, non-standard clauses, or missing information in submitted contracts.
- Innovative and intuitive user interface that simplifies complex contract management

tasks.

Styling & Design Details:

- **Framework/Libraries:** React with TypeScript.
- **CSS:** Styled Components.
- **Color Scheme:** Simple, aesthetic, modern, and professional. Use colors effectively to denote status (e.g., green for approved, yellow for pending/attention, red for rejected/urgent). Aim for high readability and a clean look.
- **Design Inspiration:** Emulate the user experience of platforms like Airbnb, Glovo, or Revolut – making complex processes feel intuitive and easy to navigate. Focus on a decluttered interface with clear visual hierarchies.
- **Responsiveness:** The application should be responsive and work well on desktop browsers.

Data & Backend:

- **Initial Data:** Use **mock data** for all entities (contracts, vendors, etc.) to facilitate UI development and testing.
- **Data Structure:** Design data models to be easily adaptable for future integration with a persistent database and cloud storage solutions. The initial setup should allow for CRUD operations on this mock data.