Project Requirement Document

Project Title: Comprehensive Project Management Platform

Overview:

Develop a web-based platform designed to manage projects, assignments, and team collaborations efficiently. It includes features like user registration, login, a comprehensive dashboard, chat/inbox functionality, project management, assignment tracking, and transaction monitoring.

Objectives:

- Provide an intuitive user interface for project and assignment management.
- Ensure secure and efficient user registration and login processes.
- Facilitate team collaboration through chat and notifications.
- Streamline project management, from assignment allocation to completion.
- Offer detailed tracking and reporting of transactions related to projects and assignments.

Functional Requirements:

1. User Registration:
    - Multi-step form for collecting personal information, address, contact details, and authentication (OTP, captcha).
2. User Login:
    - Secure login process with email/mobile and password.
    - Two-factor authentication with OTP.
3. Dashboard/Home:
    - Display notifications, pending assignments, and enrolled projects.
4. Inbox (Chatting & Notifications):
    - Messaging functionality similar to Gmail.
    - Recruitment of team members through chat.
5. Assignments:
    - Categorization of assignments into all, due, and completed.
6. Projects:
    - Tools for searching, sorting, and filtering projects.
    - Ability to view and accept public project invites.
7. Manage Projects:
    - Comprehensive project and team management tools.
    - Functionality to manage team members, assign work, review progress, and handle payments.
8. Transactions:
    - Detailed transaction history with search, sort, and filter tools.

9. Additional Features:
    - AI chatbot for navigation and assistance.
    - Contact Us and Report functionalities.

Non-Functional Requirements:
- Security: Ensure all user data is securely handled with encryption.
- Performance: The platform should load quickly and handle high volumes of data efficiently.
- Scalability: The architecture should support future enhancements and increased user base.
- Usability: The interface should be user-friendly and intuitive.