

# PropEase - Real Estate Management System

## Project Plan / Gantt Chart

### 1. Project Milestones

Milestone	Target Date	Status
Project Proposal Approval	August 26, 2025	Completed
Requirements Finalization	September 7, 2025	Completed
System Design Completion	September 11, 2025	Completed
Project Plan & Gantt Chart	October 11, 2025	Completed
Client Module Completion	October 11, 2025	Completed
Mid-Semester Demo	October 14, 2025	Upcoming
Owner Module Completion	October 20, 2025	Planned
Admin Module Completion	October 28, 2025	Planned
Testing Phase Completion	November 4, 2025	Planned
Final Application Delivery	November 15, 2025	Planned
Deployment & Go-Live	November 15, 2025	Planned
Final Report & Presentation	November 18, 2025	Planned
Peer Review Submission	November 19, 2025	Planned

## 2. Team Task Assignments

### Frontend Development Team

#### Kunal Agarwal (Frontend Developer)

- Sprint 1: Property search UI, User authentication UI
- Sprint 2: Owner dashboard, Lead management interface
- Sprint 3: User management UI, Analytics dashboard
- Sprint 4: Real-time chat UI, EMI calculator
- Testing: Cross-browser testing

#### Vitrag Shah (Frontend Developer)

- Sprint 1: Property listing pages, Property detail page
- Sprint 2: Property listing management UI, Owner analytics
- Sprint 3: Admin dashboard, Property approval interface
- Sprint 4: Google Maps integration, Virtual tours, Scheduling UI
- Testing: Mobile responsiveness testing

### Backend Development Team

#### Anuj Patel (Backend Developer)

- Sprint 1: User registration/login APIs, JWT authentication
- Sprint 2: Owner authentication, Owner profile APIs
- Sprint 3: Admin authentication, Property approval APIs
- Sprint 4: Notification system, Email/SMS integration
- Testing: Unit testing, Security testing

#### Abhi Andani (Backend Developer)

- Sprint 1: Property search API, Property listing API
- Sprint 2: Property CRUD APIs, Approval workflow
- Sprint 3: User management APIs, Platform analytics
- Sprint 4: Image upload (Cloudinary), Appointment booking API
- Testing: API testing, Integration testing

#### Ankush Bhattacherjea (Backend Developer)

- Sprint 1: Property details API, MongoDB schemas
- Sprint 2: Lead management APIs, Commission tracking
- Sprint 3: Owner verification API, System logs
- Sprint 4: Real-time chat backend (Socket.io)
- Testing: Integration testing, Performance testing

# **Project Management & Documentation**

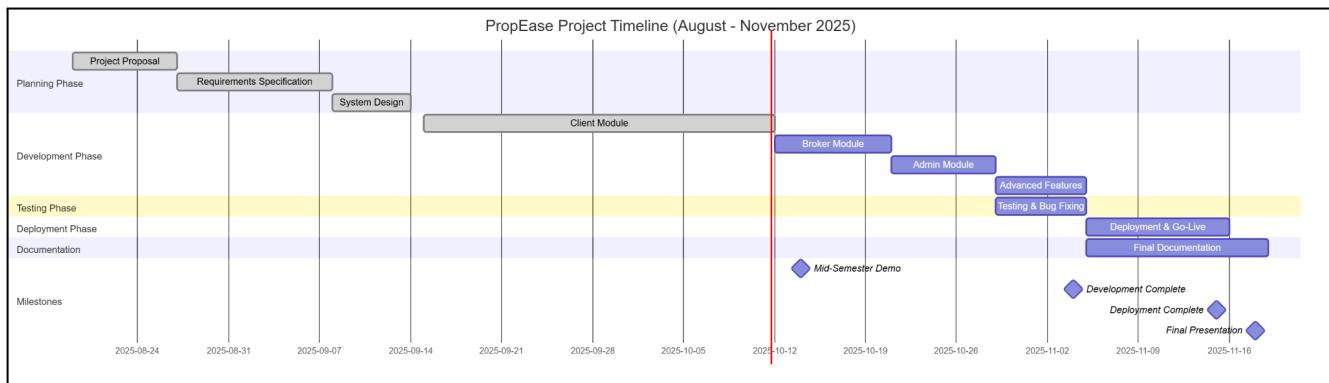
## **Chandresh Thakkar (Team Lead)**

- Overall project coordination and oversight
- Weekly progress report management
- Mid-semester and final demo coordination
- Stakeholder communication
- User acceptance testing (UAT)
- Final report co-author

## **Harsh Wadhwani (Technical Writer)**

- Project documentation maintenance
- Test plan document preparation
- API documentation (Swagger)
- User manual creation
- README file preparation
- Final project report (primary author)
- Technical content for presentations

### 3. Gantt Chart



### 4. Weekly Progress Summary

Week	Dates	Phase	Status	Key Deliverables
1-2	Aug 26 - Sep 7	Planning	Completed	Proposal, Requirements
3	Sep 8 - Sep 14	Design	Completed	System Design, UI Mockups
4-5	Sep 15 - Sep 28	Development	Completed	Client UI & Backend
6	Sep 29 - Oct 5	Development	Completed	Client Integration
7	Oct 6 - Oct 12	Development	Completed	Client Module Complete
8	Oct 13 - Oct 19	Development	In Progress	Owner Module
9	Oct 20 - Oct 26	Development	Planned	Admin Module
10	Oct 27 - Nov 2	Development & Testing	Planned	Advanced Features & Testing
11	Nov 3 - Nov 9	Testing & Deployment	Planned	Deployment Setup
12	Nov 10 - Nov 16	Deployment & Documentation	Planned	Go-Live & Reports
13	Nov 17 - Nov 19	Final Deliverables	Planned	Presentation & Reviews

# Jira Board

## Task Board

The screenshot shows the Jira Task Board interface for the 'PropEase' project. The board is divided into three columns: 'TO DO', 'IN PROGRESS', and 'DONE'. Each column contains several tasks, each with a unique ID (e.g., PROP-27, PROP-25, PROP-48, etc.) and a small icon representing its type. The 'DONE' column has a count of 1 with a checkmark. At the top right of the board area, there are buttons for 'Complete sprint' and 'Group'. The left sidebar shows the project navigation, and the top bar includes a search field and various Jira navigation links.

## Sprint Backlogs

The screenshot shows the Jira Sprint Backlog interface for the 'PropEase' project. It displays three sprints: 'Broker Module' (11 Oct - 19 Oct), 'Admin Module' (20 Oct - 26 Oct), and 'Advanced Features' (28 Oct - 3 Nov). Each sprint is broken down into work items, which are listed with their respective IDs (PROP-24, PROP-25, PROP-26, PROP-27 for Broker; PROP-48, PROP-49, PROP-50, PROP-51 for Admin; and PROP-72, PROP-74 for Advanced). The backlog items are shown in a hierarchical tree view. The top bar includes a search field and various Jira navigation links. The left sidebar shows the project navigation, and the top bar includes a search field and various Jira navigation links.

# User Stories with Subtasks

The screenshot shows the Jira interface for the 'PropEase' project. On the left, the sidebar includes sections for 'For you', 'Recent', 'Starred', 'Apps', 'Plans PREMIUM', 'Projects', 'Teams', and 'More'. The 'PropEase' project is selected. The main area displays three sprints: 'Broker Module' (11 Oct - 19 Oct), 'Admin Module' (20 Oct - 26 Oct), and 'Advanced Features' (28 Oct - 3 Nov). Each sprint contains multiple user stories. For example, the 'Broker Module' sprint has stories like 'PROP-24 Owner Dashboard & Auth' (Done), 'PROP-25 Property Management' (In Progress), 'PROP-26 Lead Management' (In Progress), and 'PROP-27 Owner Analytics' (To Do). The 'Admin Module' sprint includes stories such as 'PROP-48 Admin Dashboard & Auth' (To Do), 'PROP-49 User Management' (To Do), 'PROP-50 Owner Verification & Property Approval' (To Do), and 'PROP-51 Platform Analytics' (To Do). The 'Advanced Features' sprint includes 'PROP-72 Google Maps Integration' (To Do) and 'PROP-74 Virtual Tours & Appointments' (To Do). A modal window titled 'Owner Dashboard & Auth' is open, showing a detailed view of the story 'PROP-24'. It includes a description, a 'Child work items' section with a progress bar (20% Done), and a 'Connected work items' section. Other tabs in the header include 'Summary', 'Timeline', 'Backlog', 'Board', 'Calendar', 'List', 'Forms', 'All work', 'More', and '+ Create'.

# Completed Sprints and Task

The screenshot shows the Jira interface for the 'PropEase' project. The sidebar is identical to the previous screenshot. The main area displays a 'List' view of tasks. The tasks are organized into several groups, each starting with a parent task and followed by child tasks. For example, under 'PROP-1' (User Authentication), there are sub-tasks like 'Create registration/login UI', 'Build registration API', 'Implement JWT authentication', 'Add password encryption', and 'Protected route middleware'. Another group starts with 'PROP-2' (Property Search & Listing), which includes 'Design search UI with filters', 'Property listing cards', 'Build search API', 'Pagination & sorting', and 'Image gallery component'. Other groups include 'PROP-3' (Property Details View) and 'PROP-4' (Property detail page layout). All tasks listed are marked as 'DONE' in the status column. The interface includes various navigation and filter options at the top and right side.

## **5. Current Project Status (as of Oct 14, 2025)**

### **Completed Work**

- Full client-side UI prototype
- Complete client-side backend
- User authentication system
- Property search with filters
- Property listing and details pages
- MongoDB database setup with schemas
- Responsive design implementation

### **In Progress**

- Frontend-backend integration for client module
- Project plan and Gantt chart finalization
- Mid-semester demo preparation
- Code review and optimization

### **Upcoming**

- Owner module development (Oct 12-20)
- Admin module development (Oct 21-28)