Project Estimate

AI-Generated Analysis

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Project Description

A SaaS platform for property management companies to manage rental properties, tenants, and maintenance requests. The system should include tenant portals, automated rent collection via Stripe, maintenance ticket tracking, and landlord dashboards with analytics on occupancy rates and revenue.

Additional Context: Project Type: SaaS Platform
Complexity: Medium
Timeline: Normal

Features:

- User Authentication
- Dashboard & Analytics
- Payment Integration
- Email Notifications
- Admin Panel
- API Development
- File Upload/Storage

Support: Included
Maintenance: Included

Project Summary

A multi-tenant SaaS platform for property management companies to manage properties, tenants, rent payments (Stripe), maintenance tickets, and landlord analytics with tenant portals and admin tools.

Technical Complexity: **Medium**

Complexity Factors:

- Multi-tenant data isolation and tenant onboarding
- Payment processing (secure handling, reconciliation, webhooks)
- Admin billing and SaaS subscription flows
- Reporting/analytics (data aggregation, export)
- File storage and secure access control
- API security, rate-limiting and documentation
- Operational concerns: monitoring, backups, GDPR/compliance

Time & Budget Estimates

Time Estimate

MVP

12-20 weeks

FULL VERSION

24-40 weeks

Budget Estimate

MVP

$28,800 - $96,000

FULL VERSION

$57,600 - $192,000

Features (11)

User Authentication & Multi-tenant Access

Medium

Sign-up / login, role-based access (admin/manager/landlord/tenant), tenant isolation (data partitioning per customer).

Tenant Portal

Medium

Tenant-facing UI to view lease, make payments, submit/view maintenance requests, upload documents.

Landlord / Manager Dashboard & Analytics

Medium

Dashboards showing occupancy, revenue, arrears, unit performance, filters and CSV exports.

Automated Rent Collection (Stripe)

Medium

Stripe integration for one-off and recurring payments, saved payment methods, webhooks for payment events, reconciliation.

Maintenance Ticketing

Medium

Create/assign/track maintenance requests, status workflow, file attachments, comments, notifications.

Admin Panel / Multi-tenant Management

High

Manage customers (property companies), subscription/billing for the SaaS itself, feature flags, user support tools.

Email & Notification System

Low

Transactional emails (signup, payment receipts), in-app notifications, configurable templates, retry/resend.

API Development

Medium

REST/GraphQL API for integrations (accounting, CRM, portals), API keys, rate limiting and documentation.

File Upload / Storage

Low

Store lease documents, images for maintenance requests, secure access (S3 or equivalent), virus scanning/size limits.

Billing & Subscription for SaaS

Medium

SaaS subscription management (Stripe/Billing), usage-based or tiered plans, invoicing.

Support & Maintenance

Low

Support portal / ticketing for your customers plus ongoing maintenance and bug fixes (as included).

Potential Challenges

- Defining and implementing secure multi-tenant architecture (schema separation vs shared schema) — impacts complexity and costs.
- Payment/regulatory compliance: handling PCI scope, refunds, chargebacks and reconciliation across tenants.
- Integrations with clients' accounting systems or legacy systems — can require bespoke connectors.
- Data migration for customers switching from spreadsheets/other systems.
- Accurate analytics at scale may require background ETL jobs and data warehouse considerations.
- Operational readiness: monitoring, backup/restore, disaster recovery and SLA commitments for a SaaS product.
- User flows & UX for tenants and landlords must be polished to reduce support overhead.

Recommendations

- Build a focused MVP first: core property/tenant management, tenant portal, Stripe payments (basic), maintenance tickets, simple landlord dashboard, and admin for tenant onboarding.
- Defer advanced analytics, external integrations, and complex subscription billing to post-MVP phases to reduce time-to-market.
- Adopt a clear multi-tenant strategy up front (tenant-id row filtering or separate schemas) to avoid costly refactors.
- Use managed services where practical (Stripe, AWS S3, Auth0 or Firebase Auth, managed DB) to reduce operational burden.
- Plan for API-first design so integrations and mobile apps are easier later.
- Include automated tests and CI/CD early to maintain quality as the system grows.
- Budget 10-20% of initial build cost for the first year of maintenance and iterative improvements beyond the included support.

Assumptions

- Client wants a web-based SaaS (responsive web app) rather than native mobile apps initially.
- Single region deployment (no complex multi-region requirements).
- User count per tenant moderate at launch (hundreds, not millions).
- Standard tenancy / rental business rules — no highly custom workflows per customer initially.
- Using Stripe for payments and a cloud provider (AWS/GCP/Azure) for hosting and storage.
- Includes basic support & maintenance but not extensive 24/7 SLA unless agreed separately.

Questions to Consider

- Do you have an expected number of customers (property companies) and average users per customer at launch?
- Which multi-tenant model do you prefer (separate DB per customer, shared DB with tenant_id, or schema-per-tenant)?
- Do you require PCI-DSS compliance in-scope (or will Stripe-hosted pages be acceptable to keep you out of PCI scope)?
- Are there specific accounting or property-management systems you need integrations with at launch?
- What analytics KPIs/reports are essential at launch (occupancy rate, revenue by unit, arrears aging, etc.)?
- Do you want third-party auth (SSO for landlords/managers) or just email/password with optional 2FA?
- What level of SLA/support do you expect (business hours vs 24/7, response times)?
- Will you need multi-currency or multi-country tax handling for rent payments?

Disclaimer: This is an AI-generated estimate based on the information provided. Actual timelines and costs may vary based on detailed requirements, team composition, and unforeseen challenges. For a precise quote, please contact directly.

Generated with AI Estimate Calculator by Ihor Chyshkala

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