

Function List & Authority									
No.	Unnamed: 0	Category	Function	Description	Authority	Unnamed: 0	Unnamed: 0	Unnamed: 0	Unnamed: 0
nan	Code	nan	nan	nan	Super Admin	Franchise Owner	Staff	Client	nan
A. Multi-Tenant, Secure	nan	Secure Client Login	nan	nan	TRUE	TRUE	TRUE	TRUE	nan
	A1.Tenant Management	nan	nan	nan	nan	nan	nan	nan	nan
	a1-1	Super Admin site	Tenant Creation and Management	Create, edit, and allocate new tenant instances through Super Admin console.	TRUE	nan	nan	nan	nan
nan	a1-2	Super Admin site	Tenant Deletion	Disable or delete tenants with cascade operations to remove all associated data.	TRUE	nan	nan	nan	nan
nan	a1-3	Super Admin site	Tenant Access and Monitoring	Access tenant systems for configuration checks and customer support operations.	TRUE	nan	nan	nan	nan
nan	A2.User Management & Security	nan	nan	nan	nan	nan	nan	nan	nan
nan	a2-1	Super Admin site	Super Admin Authentication	Super Admin login functionality and profile management with elevated permissions.	TRUE	nan	nan	nan	nan
nan	a2-2	Super Admin site	Roles and Permissions System	Manage user roles and permissions management across all tenants.	TRUE	nan	nan	nan	nan
nan	a2-3	Super Admin site	Global Authentication Configuration	System-wide authentication settings including SSO providers and security policies.	TRUE	nan	nan	nan	nan
nan	A3.Platform Management	nan	nan	nan	nan	nan	nan	nan	nan
nan	a3-1	Super Admin site	Database Design and Management	Comprehensive database design including tables and schema review.	TRUE	nan	nan	nan	nan
nan	a3-2	Super Admin site	System Monitoring and Analytics	Real-time monitoring, performance analytics, and system health tracking.	TRUE	nan	nan	nan	Dũng khur
nan	a3-3	Super Admin site	Backup and Disaster Recovery	Managed backup systems and disaster recovery procedures for platform data.	TRUE	nan	nan	nan	nan
nan	A4. User Authentication	nan	nan	nan	nan	nan	nan	nan	nan
nan	a4-1	User site	Email/Password Login	Users log in to the system using email address and password. Supports 2FA (SMS/Email/App-based).	TRUE	nan	nan	nan	nan
nan	a4-2	User site	Logout	Safe logout from system and end session.	nan	TRUE	TRUE	TRUE	nan
nan	a4-3	User site	Password Reset	Password reset procedure when forgotten. Send reset link via email.	nan	TRUE	TRUE	TRUE	nan
nan	a4-4	User site	2FA Setup Interface	Interface for setting up and managing 2FA using authenticator app.	nan	TRUE	TRUE	TRUE	nan
nan	a4-5	User site	SSO Login (Google/Microsoft)	Single sign-on using Google or Microsoft account. Details: 2FA and security rules depend on external provider.	nan	TRUE	TRUE	TRUE	nan
nan	A5. Branding & Display	nan	nan	nan	nan	nan	nan	nan	nan
nan	a5-1	Tenant site	Tenant Branding Display	Display logo, colors, and branding information of current tenant. Retrieved dynamically via API.	TRUE	nan	nan	nan	nan
nan	a5-2	Tenant site	Branding Configuration Interface	Tenant admin uploads logo, selects colors, and configures branding.	TRUE	nan	nan	nan	nan
nan	a5-3	Tenant site	Landing Page Display	Tenant-specific landing page. Basic setup based on templates.	TRUE	TRUE	nan	nan	nan
nan	a5-4	User site	Public Website Display	Public website. Tenant information and service introduction.	TRUE	TRUE	TRUE	nan	nan

B.Sales Management	Module B	nan	nan	nan	nan	nan	nan	nan	nan
nan	B1.Quote Builder	Basic Functions	nan	nan	nan	nan	nan	nan	nan
nan	b1-1	Tenant site	Quote Management	Creating, reading, updating, deleting quotes with status tracking.	TRUE	nan	nan	nan	nan
nan	b1-2	Tenant site	Quote Items Management	Managing quote line items including products, services, prices, and quantities.	TRUE	nan	nan	nan	nan
nan	b1-3	Tenant site	Quote Status Tracking	Automated workflow logic for quote status changes (Draft → Sent → Approved → Rejected).	TRUE	nan	nan	nan	nan
nan	B2.Quote Builder	Builder & Editor	nan	nan	nan	nan	nan	nan	nan
nan	b2-1	Tenant site	Quote Builder/Editor Interface	Intuitive drag-and-drop interface for creating professional quotes with templates.	TRUE	nan	nan	nan	nan
nan	b2-2	Tenant site	Product/Service Search	Integrated product catalog search with external supplier API integration for pricing.	TRUE	nan	nan	nan	nan
nan	b2-3	Tenant site	Quote Management Dashboard	Central dashboard for managing all quotes with filtering, sorting, and bulk operations.	TRUE	nan	nan	nan	nan
nan	B3.Quote Sending	Sending & Notifications	nan	nan	nan	nan	nan	nan	nan
nan	b3-1	Mail	Send Quote (Email/SMS/WhatsApp)	Automated quote delivery with formatted email templates and plain text/SMS/WhatsApp.	TRUE	nan	nan	nan	nan
nan	b3-2	Batch	Automatic Reminder Jobs	Scheduled automated reminders for pending quotes and follow-ups.	TRUE	nan	nan	nan	nan
nan	B4.Quote Assignment	Assignment & Scheduling	nan	nan	nan	nan	nan	nan	nan
nan	b4-1	Tenant site	Staff Assignment Interface	Role-based quote assignment system (Admins assign, Staff view assigned quotes only).	TRUE	nan	nan	nan	nan
nan	b4-2	Tenant site	Schedule Lock on Quote Approval	Automatic calendar blocking when quotes are approved to prevent double-booking.	TRUE	nan	nan	nan	nan
nan	b4-3	User site	Calendar Integration Interface	Interactive calendar showing quotes, appointments, and scheduled tasks with conflict detection.	TRUE	nan	nan	nan	nan
C.Work Operations	Module C	Management	nan	nan	nan	nan	nan	nan	nan
nan	C1.Job Management	Management	nan	nan	nan	nan	nan	nan	nan
nan	c1-1	Tenant site	Job Creation from Approved Quote	Automated job creation and scheduling when quotes are approved by client.	TRUE	nan	nan	nan	nan
nan	c1-2	Tenant site	Work Details and Staff Assignment	Assigning staff to jobs with skill matching and availability checking.	TRUE	nan	nan	nan	nan
nan	c1-3	Tenant site	Job Detail Page	Comprehensive job page with status updates, file attachments, and progress tracking.	TRUE	nan	nan	nan	nan
nan	c1-4	Tenant site	Job Check-in/Check-out	Mobile/web interface for staff to check-in/out of jobs with time tracking (optional).	TRUE	nan	nan	nan	nan
nan	C2.Timesheet Management	Management	nan	nan	nan	nan	nan	nan	nan
nan	c2-1	Tenant site	Timesheet Submission	Web interface for staff to submit timesheets with automatic calculation of hours and breaks.	TRUE	nan	nan	nan	nan
nan	c2-2	Tenant site	Timesheet Submission	User-friendly interface for entering work hours, breaks, and job details.	TRUE	nan	nan	nan	nan
nan	c2-3	Tenant site	Timesheet Approval and Review	Admin interface for approving timesheets and viewing attendance records by staff member.	TRUE	nan	nan	nan	nan
D.Finance & Accounting	Module D	Management	nan	nan	nan	nan	nan	nan	nan
nan	E1.Payment Gateway	Payment Gateway	nan	nan	nan	nan	nan	nan	nan

nan	d1-1	Tenant site	Stripe API Integration	Secure Stripe integration for credit card processing and direct debit payments.	TRUE	nan	nan	nan
nan	d1-2	Tenant site	PayPal API Integration	PayPal gateway integration with fraud protection and buyer protection.	TRUE	nan	nan	nan
nan	d1-3	Tenant site	Apple Pay/Google Wallet Integration	Mobile integration for seamless checkout experience.	TRUE	nan	nan	nan
nan	d1-4	Tenant site	Payment Status Notifications	Email/webhook notifications for payment status updates and failed transactions.	TRUE	nan	nan	nan
nan	E2.Payment Management	nan	nan	nan	nan	nan	nan	nan
nan	d2-1	Tenant site	Affiliate Payment	Processing affiliate commissions and partner payment calculations.	TRUE	nan	nan	nan
nan	d2-2	Tenant site	Payment Request Creation Interface	Creating payment requests with approval workflow and due dates.	TRUE	nan	nan	nan
nan	d2-3	Tenant site	Payment Gateway Configuration	Web interface for setting up and configuring payment gateways.	TRUE	nan	nan	nan
nan	d2-4	Tenant site	Payment Status Tracking Dashboard	Real-time dashboard showing payment status, transactions history, and reconciliation.	TRUE	nan	nan	nan
nan	E3.Accounting Software Integration	nan	nan	nan	nan	nan	nan	nan
nan	d3-1	Tenant site	Xero Authentication Flow	OAuth 2.0 authentication and connection setup with Xero Accounting software.	TRUE	nan	nan	nan
nan	d3-2	Tenant site	Xero Sync Logic	Automated synchronization of invoices, payments, and expenses with Xero.	TRUE	nan	nan	nan
nan	d3-3	Tenant site	QuickBooks Authentication Flow	OAuth 2.0 authentication and connection setup with QuickBooks.	TRUE	nan	nan	nan
nan	d3-4	Tenant site	QuickBooks Sync Logic	Automated synchronization of financial data with QuickBooks.	TRUE	nan	nan	nan
nan	d3-5	Tenant site	MYOB Authentication Flow	OAuth 2.0 authentication and connection setup with MYOB.	TRUE	nan	nan	nan
nan	d3-6	Tenant site	MYOB Sync Logic	Automated synchronization of accounting data with MYOB.	TRUE	nan	nan	nan
nan	d3-7	Tenant site	Accounting Software Connector Wizard	Step-by-step wizard for connecting and configuring accounting software integrations.	TRUE	nan	nan	nan
E.Financial Reports	nan	nan	nan	nan	nan	nan	nan	nan
nan	E1.Report Data Sync	nan	nan	nan	nan	nan	nan	nan
nan	e1-1	Batch	Accounting Software Data Sync	Financial data from connected accounting software into reporting platform.	TRUE	nan	nan	nan
nan	e1-2	Tenant site	Salary Summary Data Retrieval	Retrieve and calculate salary summaries for payroll reporting.	TRUE	nan	nan	nan
nan	e1-3	Tenant site	P&L Report Data Retrieval	Retrieve profit and loss data from accounting software for financial reporting.	TRUE	nan	nan	nan
nan	E2.Report Display	nan	nan	nan	nan	nan	nan	nan
nan	e2-1	Tenant site	Salary Summary Dashboard	Interactive dashboard displaying salary summaries, overhead, and payroll costs.	TRUE	nan	nan	nan
nan	e2-2	Tenant site	P&L Summary Interface	Financial reporting interface showing profit/loss statements and key financial metrics.	TRUE	nan	nan	nan
nan	e2-3	Tenant site	Payroll Sync Interval Configuration	Configuration interface for setting payroll data synchronization frequency.	TRUE	nan	nan	nan
F.Multi-Channel Communication	nan	nan	nan	nan	nan	nan	nan	nan
nan	F1.Message Sending	nan	nan	nan	nan	nan	nan	nan

nan	f1-1	Mail	Bidirectional Email Messaging	Sending and receiving emails with threading and conversation management.	TRUE	TRUE	TRUE	nan
nan	f1-2	Mail	Bidirectional SMS Messaging	Sending and receiving SMS messages with delivery tracking and responses.	TRUE	TRUE	TRUE	nan
nan	f1-3	Mail	Bidirectional WhatsApp Messaging	WhatsApp messaging with rich media support and conversation management.	TRUE	TRUE	TRUE	nan
nan	f1-4	Tenant site	Information Reception Configuration for SMS/WhatsApp inquiries through multiple communication channels.	nan	TRUE	nan	nan	nan
nan	F2.Auto Response & Templates			nan	nan	nan	nan	nan
nan	f2-1	Tenant site	Quick Response Content Setup	Setup quick response templates and canned responses.	TRUE	nan	nan	nan
nan	f2-2	Tenant site	Recurring Communication Rule Setup	Scheduling recurring communications and automated messaging.	TRUE	nan	nan	nan
nan	f2-3	Tenant site	Multi-channel Conversation Unified Interface	Unified interface for managing conversations across email, SMS, and WhatsApp channels.	TRUE	TRUE	TRUE	nan
nan	f2-4	Tenant site	Recurring/Repeat Communication Automation Logic	Automation logic for sending recurring messages based on tenant-defined schedules.	TRUE	nan	nan	nan
nan	f2-5	Tenant site	Simple Auto Response Rule Setup	Rules-based system for automatic responses to common customer inquiries.	TRUE	nan	nan	nan
nan	f2-6	Tenant site	Auto Rules Creation Interface	Interface for creating and managing automated response rules using templates.	TRUE	nan	nan	nan
nan	f2-7	Tenant site	Quick Response Template Library	User interface for selecting and sending quick response templates.	TRUE	nan	nan	nan
nan	f2-8	Tenant site	Fast Quote Management Integration	Integrated quote management within chat interface for quick quote creation and updates.	TRUE	nan	nan	nan
G.Expanded Calendar Functions			nan	nan	nan	nan	nan	nan
nan	G1.Concurrent Booking Limits			nan	nan	nan	nan	nan
nan	g1-1	Tenant site	Concurrent Booking Limit Configuration	Configure maximum number of simultaneous bookings per slot or job type.	TRUE	nan	nan	nan
nan	g1-2	Tenant site	Schedule Check Logic Updates	Updated scheduling logic to enforce concurrent booking limits and prevent overbooking.	TRUE	nan	nan	nan
nan	g1-3	Tenant site	Visual Indicator for Full Time Slots	Visual indicators on calendar showing when time slots reach booking capacity.	TRUE	nan	nan	nan
H.Location-Aware Booking with Google Maps			nan	nan	nan	nan	nan	nan
nan	H1.Google Maps Integration			nan	nan	nan	nan	nan
nan	h1-1	Super Admin site	Google Maps Distance Calculation	Google Maps integration for calculating travel distances and times between job locations.	TRUE	nan	nan	nan
nan	h1-2	Super Admin site	Travel Time Validation Automation	Automated validation of travel time between jobs when creating new bookings.	TRUE	nan	nan	nan
nan	h1-3	Tenant site	Booking Block/Suggestion Logic	Intelligent booking system that blocks conflicting appointments or suggests optimal times.	TRUE	nan	nan	nan
nan	h1-4	Tenant site	Auto-Adjust Available Slots	Dynamic adjustment of available time slots based on calculated travel times.	TRUE	nan	nan	nan
nan	h1-5	Tenant site	Travel Time Override for Managers	Manager capability to bypass travel time restrictions when necessary.	TRUE	nan	nan	nan
nan	h1-6	Tenant site	Job Address and Geocoding System	Structured system for job addresses with geocoding for accurate distance calculations.	TRUE	nan	nan	nan
nan	h1-7	User site	Calendar Travel Time Display	Calendar interface showing travel times between jobs with conflict warnings.	TRUE	nan	nan	nan
J.Social Media & Digital Ads Integration			nan	nan	nan	nan	nan	nan

nan	J1.SocialMedia Platform Integration	nan	nan	nan	nan	nan	nan	nan
nan	j1-1	Tenant site	Facebook API Integration	Direct Facebook API integration for posting and engagement tracking, and social media management.	nan	nan	nan	nan
nan	j1-2	Tenant site	Instagram API Integration	Instagram API integration for content posting, story management, and engagement analytics.	nan	nan	nan	nan
nan	j1-3	Tenant site	TikTok API Integration	TikTok API integration for video content creation and social media marketing campaigns.	nan	nan	nan	nan
nan	j1-4	Tenant site	LinkedIn API Integration	LinkedIn API integration for professional networking, content sharing, and B2B marketing.	nan	nan	nan	nan
nan	J2.DigitalAdvertising Integration	nan	nan	nan	nan	nan	nan	nan
nan	j2-1	Tenant site	Google Ads API Integration	Google Ads API integration for managing paid search and display advertising campaigns.	nan	nan	nan	nan
nan	J3.AI-Powered Marketing Features	nan	nan	nan	nan	nan	nan	nan
nan	j3-1	Tenant site	AI Ad Copy Generation	AI-powered generation of compelling advertising copy and marketing content using ML algorithms.	nan	nan	nan	nan
nan	j3-2	Tenant site	Content Scheduling and Posting	Automated content scheduling and cross-platform posting to social media channels.	nan	nan	nan	nan
nan	j3-3	Tenant site	Social Media Performance Dashboard	Analytics dashboard for tracking social media engagement, reach, and campaign performance.	nan	nan	nan	nan
K.Cost Automation	nan	nan	nan	nan	nan	nan	nan	nan
nan	K1.AI & OCR Processing	nan	nan	nan	nan	nan	nan	nan
nan	k1-1	User site	Image Upload	Uploading receipt and vehicle meter images from mobile devices and web interface.	TRUE	TRUE	TRUE	nan
nan	k1-2	Batch	OCR Service Integration	Third-party OCR service integration using OpenAI GPT for text extraction from images.	TRUE	TRUE	TRUE	nan
nan	k1-3	Batch	Cost Classification Logic	AI-powered logic for automatically categorizing expenses based on reading odometer values.	TRUE	TRUE	TRUE	nan
nan	k1-4	Tenant site	Invoice/Odometer Data Review	Reviewing and manually correcting AI-extracted invoice and mileage data.	TRUE	TRUE	TRUE	nan
nan	K2.Data Sync & Management	nan	nan	nan	nan	nan	nan	nan
nan	k2-1	Batch	Cost Sync with Accounting Software	Automated synchronization of classified costs with connected accounting systems.	TRUE	TRUE	TRUE	nan
nan	k2-2	Tenant site	Image Review and Approval Interface	User interface for reviewing AI-processed images and approving data before accounting sync.	TRUE	TRUE	TRUE	nan
nan	k2-3	Tenant site	Cost Management Dashboard	Dashboard for managing expense categories, approvals, workflows, and accounting integration.	TRUE	TRUE	TRUE	nan