TaskLedger – Django Apps and Internal Modules

accounts app

Internal modules:
• models.py – Custom User, Role, Profile
• serializers.py – User & Role serializers
• views.py – Auth, profile APIs
• permissions.py – Role-based access control
• admin.py – User administration

Responsibility: Identity, authentication, authorization, and profiles.

organization app

Internal modules:
• models.py – Department, DepartmentMembership
• serializers.py – Department APIs
• views.py – Department CRUD
• admin.py – Department admin

Responsibility: Organizational structure and hierarchy.

projects app

Internal modules:
• models.py – Project, ProjectMember
• serializers.py – Project APIs
• views.py – Project management
• admin.py – Project admin

Responsibility: High-level initiatives owned by managers.

tasks app

Internal modules:
• models.py – Task, assignment, priority
• serializers.py – Task APIs
• views.py – Task CRUD
• admin.py – Task admin

Responsibility: Definition of work items.

task_events app

Internal modules:
• models.py – TaskEvent (START, PAUSE, RESUME, COMPLETE)
• services.py – Time aggregation logic
• serializers.py – Event APIs
• views.py – Event ingestion

Responsibility: Source of truth for time tracking.

auditlog app

Internal modules:
• models.py – ActivityLog
• signals.py – Auto-capture actions
• admin.py – Log inspection

Responsibility: System-wide traceability.

analytics app

Internal modules:
• views.py – Read-only KPIs
• db_views.sql – Aggregated SQL views
• serializers.py – Analytics APIs

Responsibility: Business intelligence & visualization.