APP CMS SAQIMA (Schema)

SaaS App Pages — Dashboard, Workspace, Usage, Billing, Users & Roles, Settings (SSO/SCIM), API Keys, Audit Logs, Support

Yeh **application-side CMS saqima** hai (marketing pages ke baad). Iska focus **logged-in users, organizations, subscriptions, aur governance** par hai. Yeh schema **C# (.NET)** aur **Python FastAPI** dono ke liye 1:1 usable hai.

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1) DASHBOARD

Entity: Dashboard - id - org_id - widgets (JSON) - default_time_range - last_updated_at

Widgets Types: - usage_summary - billing_status - active_users - system_health - announcements

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2) WORKSPACE

Entity: Workspace - id - org_id - name - description - status (active | archived) - created_by - created_at

Entity: WorkspaceMember - id - workspace_id - user_id - role (owner | editor | viewer)

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3) USAGE / METERING

Entity: UsageMetric - id - org_id - metric_key (api_calls | compute_minutes | storage) - unit - limit

Entity: UsageRecord - id - org_id - metric_key - value - recorded_at

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4) BILLING

Entity: BillingAccount - id - org_id - provider (stripe) - customer_id - status

Entity: Subscription - id - org_id - plan_id - status - current_period_start - current_period_end

Entity: Invoice - id - subscription_id - amount - currency - status - invoice_url - issued_at

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5) USERS & ROLES

Entity: User - id - org_id - email - name - status - last_login

Entity: Role - id - name - permissions (JSON)

Entity: UserRole - id - user_id - role_id

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6) SETTINGS

6.1 ORG SETTINGS

Entity: OrgSettings - org_id - timezone - data_region - branding (JSON)

6.2 SSO SETTINGS

Entity: SSOConfig - id - org_id - provider (saml | oauth) - metadata_url - entity_id - enabled

6.3 SCIM SETTINGS

Entity: SCIMConfig - id - org_id - base_url - token_hash - enabled

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7) API KEYS

Entity: ApiKey - id - org_id - name - key_hash - scopes (JSON) - rate_limit - last_used_at - is_active

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8) AUDIT LOGS

Entity: AuditLog - id - org_id - actor_user_id - action - resource_type - resource_id - ip_address - user_agent - created_at

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9) SUPPORT

Entity: SupportTicket - id - org_id - created_by - subject - status (open | pending | closed) - priority - created_at

Entity: SupportMessage - id - ticket_id - sender_type (user | support) - message - attachments - sent_at

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10) IMPORTANT SYSTEM RULES

- Har entity **org_id scoped** hogi (multi-tenant safety)
- RBAC har endpoint par enforce hogi
- Usage aur Billing **read-only** for non-admins
- Audit logs immutable honge
- API keys kabhi plaintext store nahi honge

Yeh saqima **real SaaS app bananay ke liye final layer** hai. Is se seedha: - database design - backend APIs - admin + app UI - enterprise SSO/SCIM

sab kuch ban sakta hai.