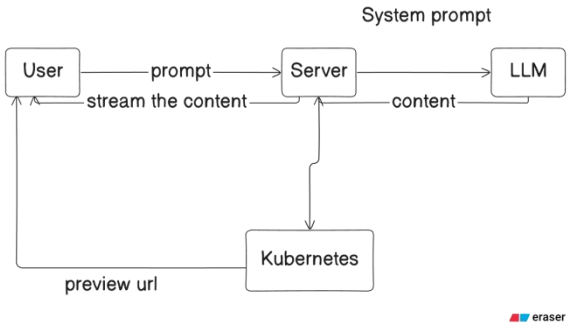
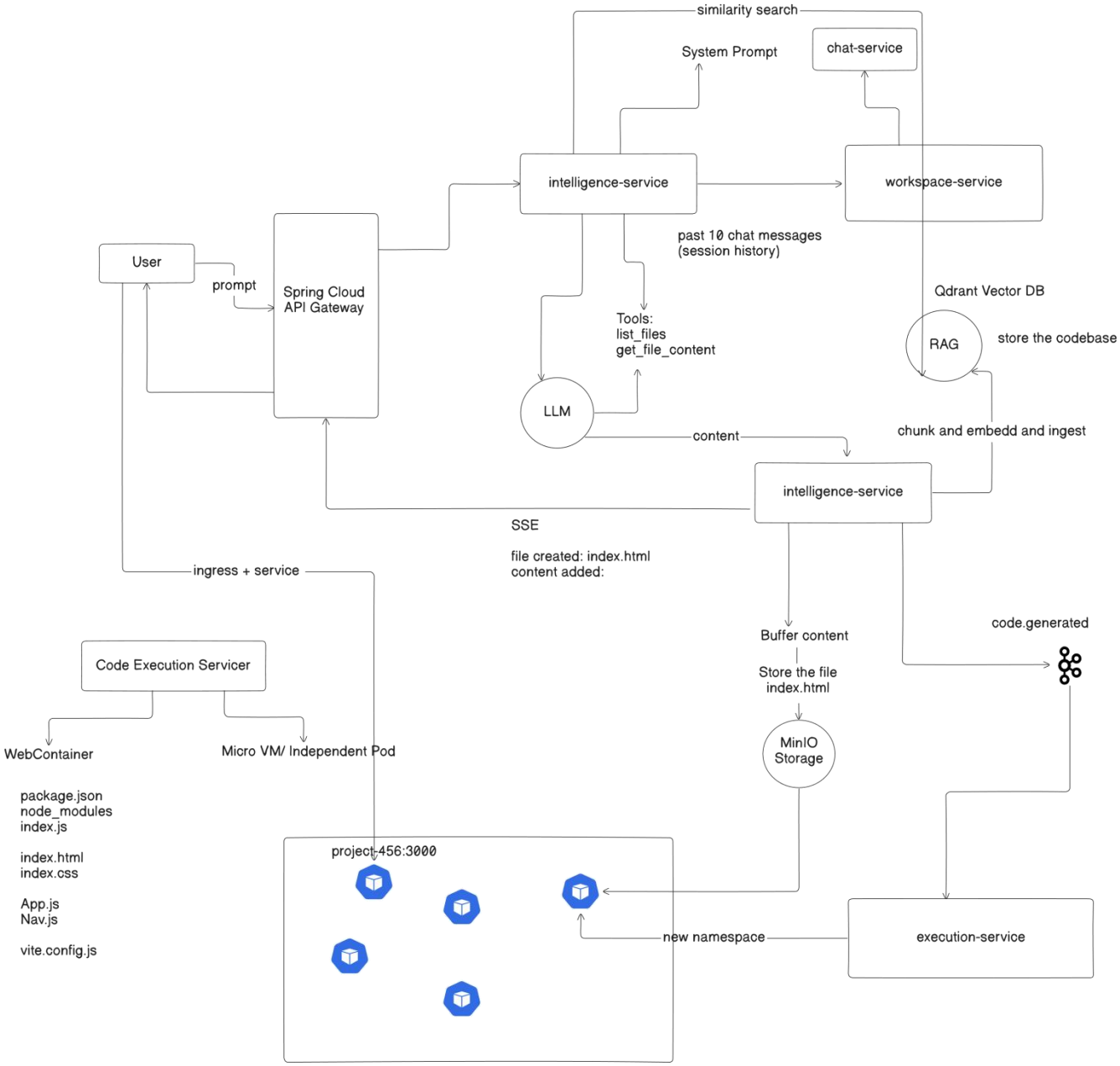
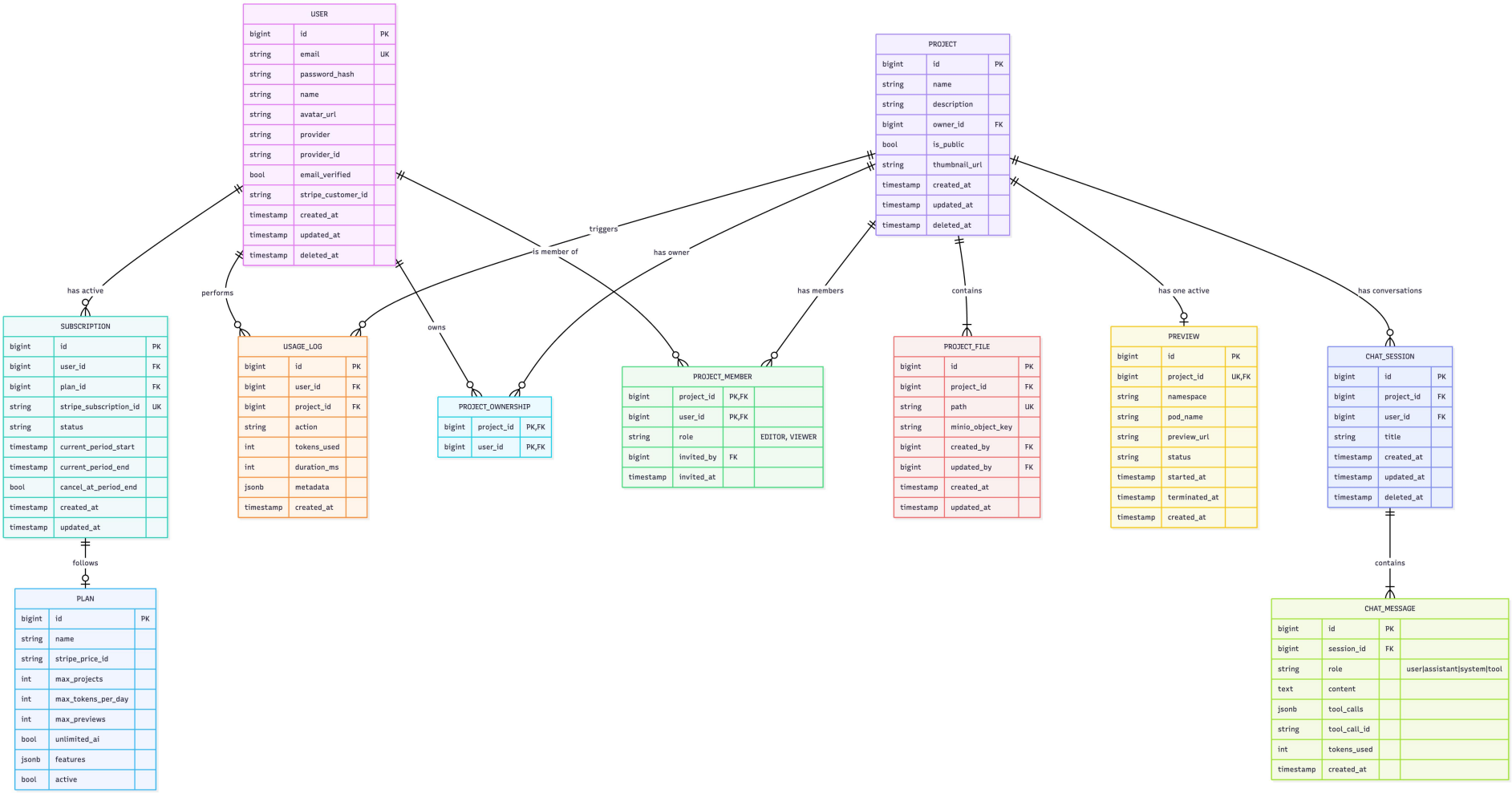
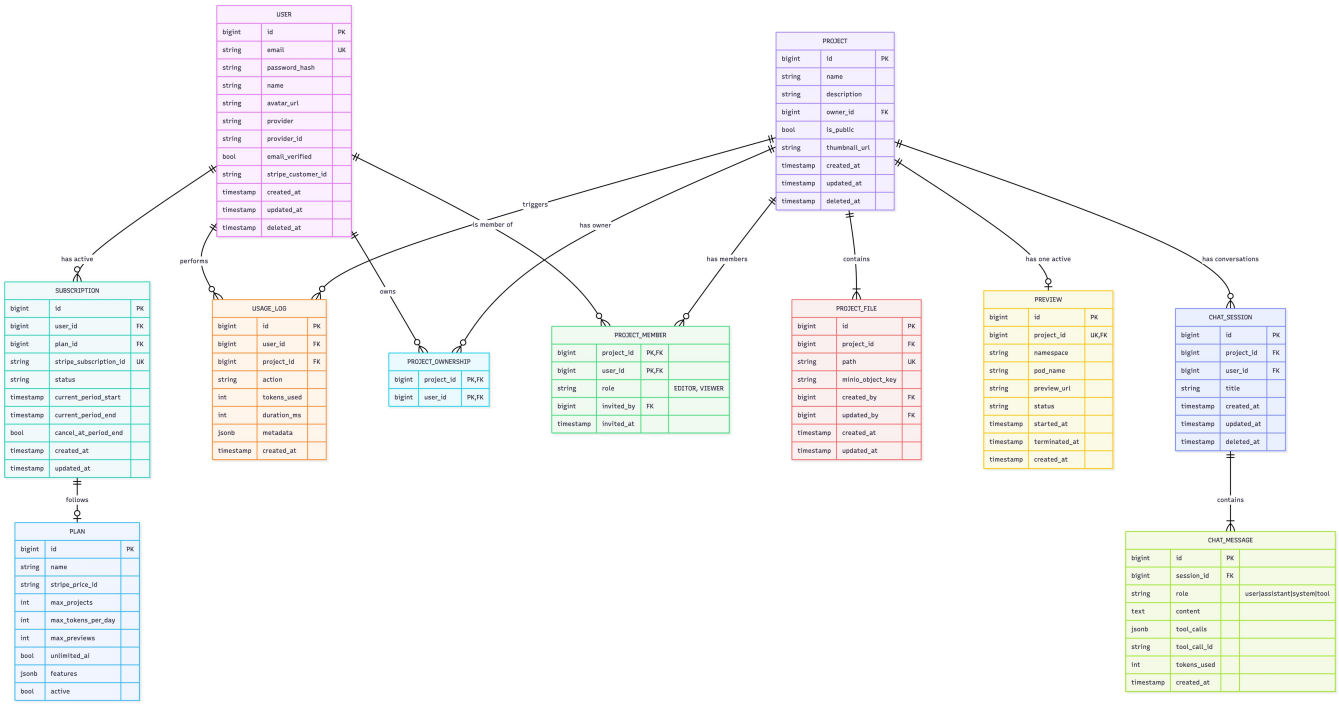
Lovable Clone Project






USER
bigint id PK
string email UK
string password_hash
string name
string avatar_url
string provider
string provider_id
bool email_verified
string stripe_customer_id
timestamp created_at
timestamp updated_at
timestamp deleted_at
PROJECT
bigint id PK
string name
string description
bigint owner_id FK
bool is_public
string thumbnail_url
timestamp created_at
timestamp updated_at
timestamp deleted_at
SUBSCRIPTION
bigint id PK
bigint user_id FK
bigint plan_id FK
string stripe_subscription_id UK
string status
timestamp current_period_start
timestamp current_period_end
bool cancel_at_period_end
timestamp created_at
timestamp updated_at
PLAN
bigint id PK
string name
string stripe_price_id
int max_projects
int max_tokens_per_day
int max_previews
bool unlimited_ai
jsonb features
bool active
USAGE_LOG
bigint id PK
bigint user_id FK
bigint project_id FK
string action
int tokens_used
int duration_ms
jsonb metadata
timestamp created_at
PROJECT_OWNERSHIP
bigint project_id PK,FK
bigint user_id PK,FK
PROJECT_MEMBER
bigint project_id PK,FK
bigint user_id PK,FK
string role EDITOR, VIEWER
bigint invited_by FK
timestamp invited_at
PROJECT_FILE
bigint id PK
bigint project_id FK
string path UK
string minio_object_key
bigint created_by FK
bigint updated_by FK
timestamp created_at
timestamp updated_at
PREVIEW
bigint id PK
bigint project_id UK,FK
string namespace
string pod_name
string preview_url
string status
timestamp started_at
timestamp terminated_at
timestamp created_at
CHAT_SESSION
bigint id PK
bigint project_id FK
bigint user_id FK
string title
timestamp created_at
timestamp updated_at
timestamp deleted_at
CHAT_MESSAGE
bigint id PK
bigint session_id FK
string role user|assistant|system|tool
text content
jsonb tool_calls
string tool_call_id
int tokens_used
timestamp created_at
has active
follows
performs
owns
is member of
has owner
triggers
has members
contains
has one active
has conversations
contains



- Features
  - Core Features
    - Projects
      - Create project
      - Manage project
      - List projects
    - Auth
      - Login
      - Signup
      - Get My Profile
    - AI Code Generation
      - List Chat Session
      - Create New Chat Session
      - Load Full Chat History
    - Files
      - Get File Tree + Metadata
      - Get File Content
      - Download All files as a ZIP
    - Preview
      - Get Project Preview
      - Get Logs Stream

- Additional
  - Payment - Stripe (not sure it'll be implemented or not)
  - Quota Management
    - Plan: FREE | PRO
  - Token used quota, Previews running quota
  - Rate limiting (maybe via Redis)
  - Zipkin Tracing
- Members
  - One project to have many people
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