

Lovable Clone Project

Core APIs

Auth		
Login	POST	/api/auth/login
SignUp	POST	/api/auth/signup
Get Profile	GET	/api/auth/me

Project		
Create/Read/Update/Delete Project	CRUD	/api/projects/{id}
Get all projects	GET	/api/projects

Files		
Get file tree + metadata	GET	/api/projects/{id}/files
Download single file (path encoded)	GET	/api/projects/{id}/files/**
/api/projects/{id}/download-zip	GET	/api/projects/{id}/download-zip

Additional APIs

Sharing & Permission		
Get all members	GET	/api/projects/{id}/members
Invite by email	POST	/api/projects/{id}/members
Change the role of a member	PATCH	/api/projects/{id}/members/{userId}
Remove member	DELETE	/api/projects/{id}/members/{userId}

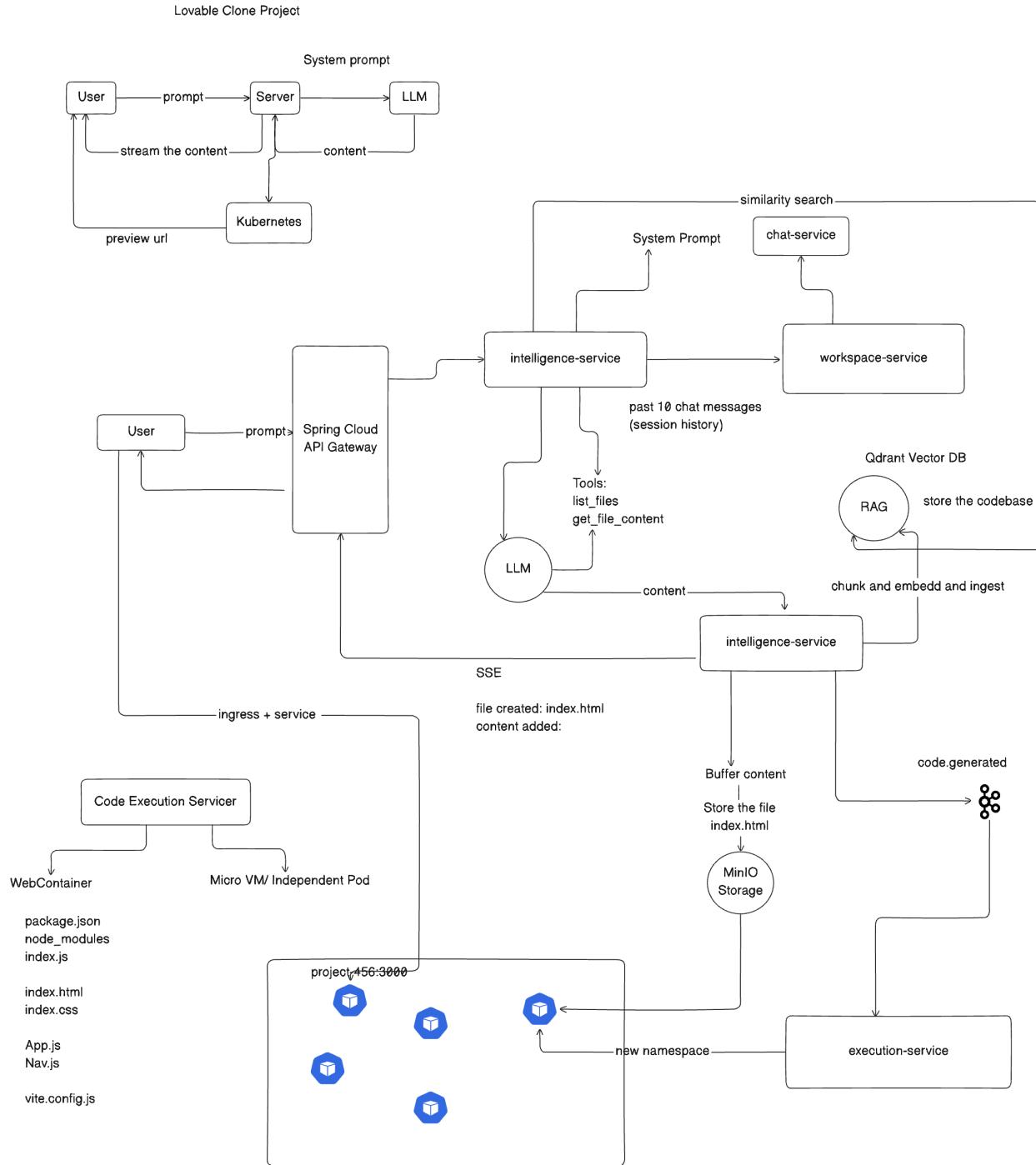
Subscription & Billing		
List available plans (FREE, PRO)	GET	/api/plans
Current plan + limits + next billing date	GET	/api/me/subscription

Create Stripe Checkout session → redirect	POST	/api/stripe/checkout
Open Customer Portal on Stripe	POST	/api/stripe/portal

Usage & Quotas		
Tokens used, projects created, previews running	GET	/api/usage/today
Current limits based on plan	GET	/api/usage/limits

Chat & AI Generation		
List chat sessions	GET	/api/projects/{id}/chat-sessions
Create new chat session	POST	/api/projects/{id}/chat-sessions
Load full chat history	GET	/api/chat/sessions/{sessionId}/messages
Chat Stream	SSE; POST	/api/chat/stream

Preview & Runner		
Start live preview → returns { previewUrl, status }	POST	/api/projects/{id}/preview
Poll preview status (CREATING → RUNNING → FAILED)	GET	/api/previews/{previewId}/status
Log preview — live npm install / Vite HMR	SSE	/api/previews/{previewId}/logs
Stop and delete preview (cleanup)	DELETE	/api/previews/{previewId}



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Features:

Core Features:

Projects

- Create Project, Manage Project
- List Projects

Auth

- Login
- SignUp
- Get My Profile

AI Code Generation

- List Chat Sessions
- Create New Chat Session
- Load Full Chat History
- Chat Stream
- Retry if failed

Files:

- Get File Tree + Metadata
- Get file content
- Download All files as a zip

Preview:

- Get Project Preview
- Get Logs Stream

Additional :

- Payment - Stripe
- Quota Management
 - Plan: FREE| PRO
- Token used quota, previews running quota
- Rate limiting (maybe via Redis)
- Zipkin Tracing

Members

- One project to have many users