

# 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}

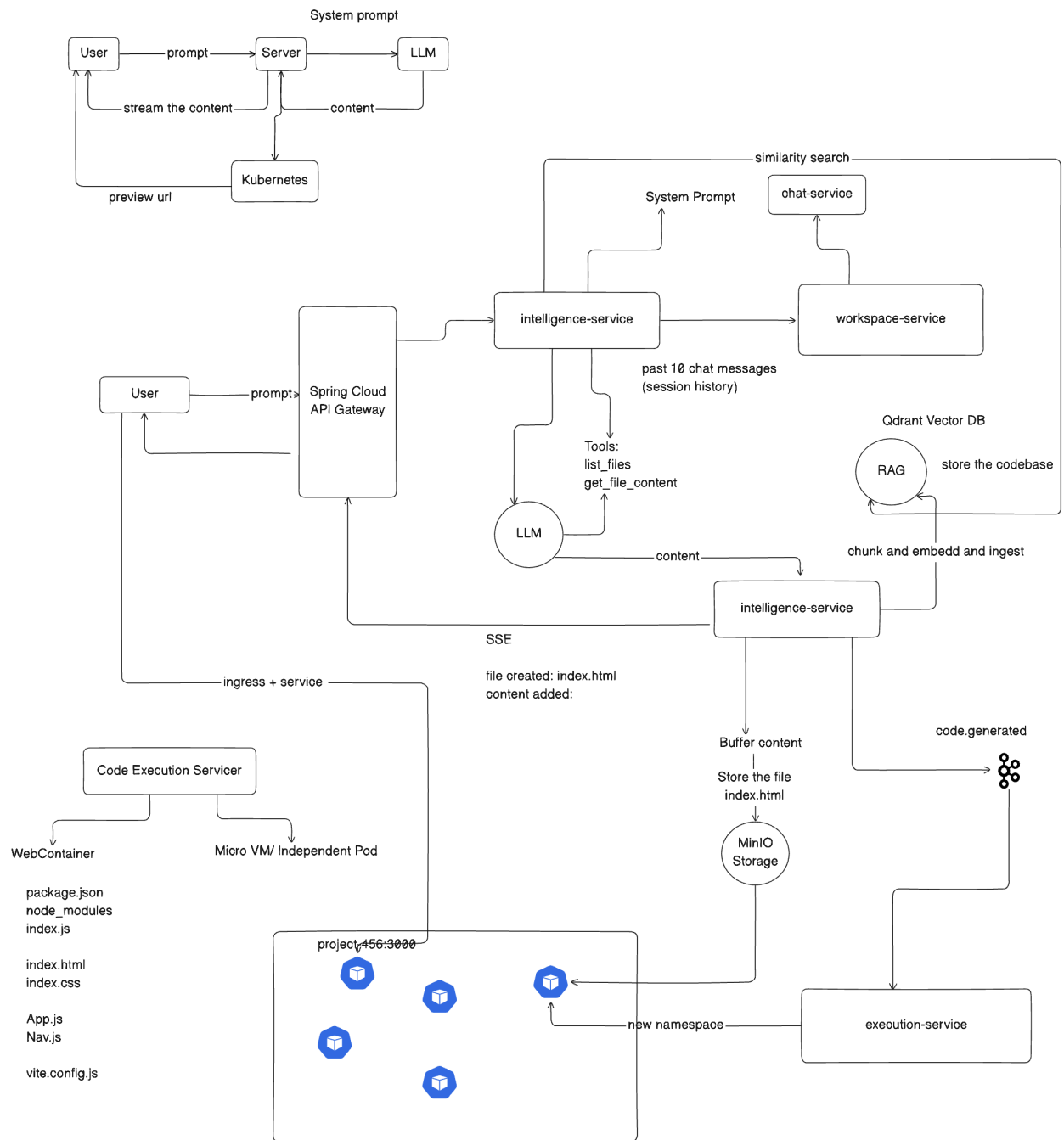
Subscription & Billing		
List available plans (FREE, PRO)	GET	/api/plans
Current plan + limits + next billing date	GET	/api/me/subscription

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

<b>Usage &amp; Quotas</b>		
Tokens used, projects created, previews running	GET	<code>/api/usage/today</code>
Current limits based on plan	GET	<code>/api/usage/limits</code>

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

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



## 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