Phase 01 : Implementing our Automation Rag System via Spring Tool Calling

RAG

Images

black & rst III

Debugging:
Check the logs, and input tokens
then see the alternatives

Our VLM is going
to execute the steps
using tool Calling

Tasks Completed:
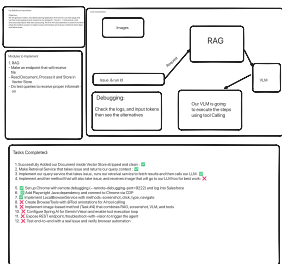
Phase 02 : Implementing our Automation RAG System Via Spring MCP

Our Task for Today:

Keep Everything same, just replace the prompts and Tool calling with
new Prompts as per the MCP and also the MCP server
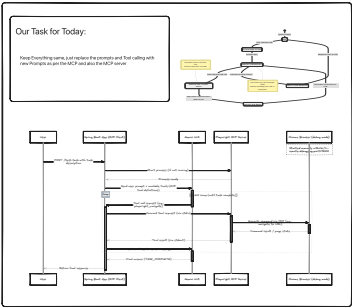
Whole Workflow of our Application

User	Spring Boot Server	Vector Store (RAG)	OpenAI LLM	Playwright MCP Server	Chrome Browser

POST /automate-issue with issue description

Query for troubleshooting steps

Return step-by-step instructions

Combine steps & tool definitions into prompt

Send prompt (steps + available tools)

loop [Repeat Loop until task complete]

Tool call request (e.g. navigate, click)

Forward tool request (via STDIO)

Execute command (via CDP)

Command result / page state

Tool result

Send tool result as new message

Final answer (TASK_COMPLETE)

Return final automation summary