

Project Yoda

SAP SDLC In Gen AI Era



 **MYGO**

“

**Train yourself to let go of
everything you fear to lose**

”

Yoda – The Jedi master

Rationale

- Decades of documentation available in disparate sources
 - Blue print documents
 - RICEF Specs
 - Testing documents
 - Training documents
 - Decision papers
 - Change requests
 - Tickets
- Key design considerations and design assumptions buried in document repositories
- Long traditional development cycles can be reimaged in light of Gen AI

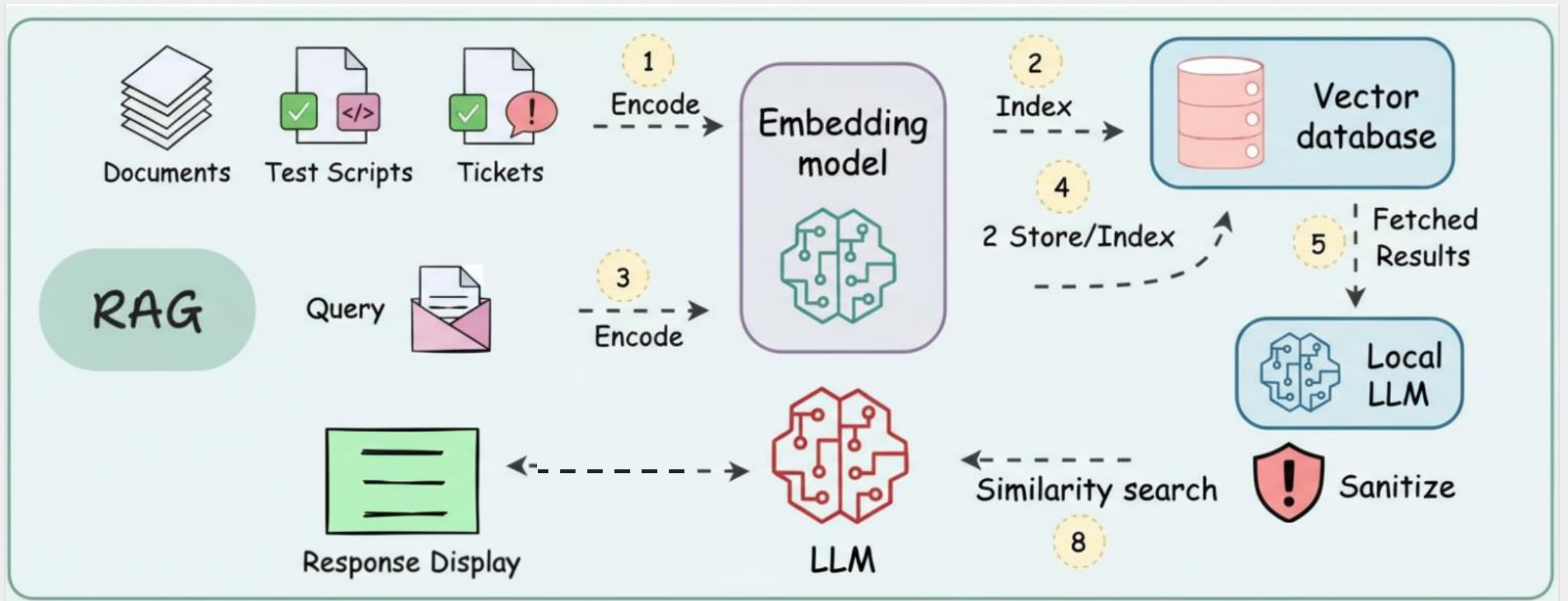
Pain Points

- Hard to assess the impact of design changes
- Code has changed over the period, reasons not known
- Long development cycles
- No one person has comprehensive understanding of end to end solution
- Current SAP solution (SAP Joule) expect customers in latest support packs on S4HANA
- Customers unable to use public LLMs because of
 - Privacy concerns
 - Limited/Non-availability of fine tuned models for ABAP

What is Project Yoda

- Create a knowledge repository of all the available documentation
- Catalogue and arrange information in a systematic manner
- End to end solution that supports
 - Solution advisory
 - Explainability
 - Functional Spec generation
 - Test case generation
 - Code generation
 - Code Refactoring
- MCP that can be integrated with any GenAI chatbots being used by the organization
- Role based access controls

HL Architecture



Benefits of RAG approach vs. Enterprise agreements

Criteria	Better with RAG	Better with Direct LLM
Cost per Query (at scale)	✓	✗
Privacy of Source Data	✓ (on-prem options)	⚠ (depends on vendor)
Flexibility of Data Sources	✓	✗
Setup Simplicity	✗	✓
Support for Large Corporations	✓	✗
Context Size Limitation	✓ (retrieve only relevant chunks)	✗ (all in prompt)
Dependency on Infrastructure	✗	✓ (minimal)

Project Yoda Quality Overview



Ask Yoda

Natural-language Q&A powered by SAP knowledge base, specs, tickets, and test cases.

Chat with Yoda

Generate Prompt to Build ABAP programs – Traditional & RAP



Document Upload

Upload and manage knowledge base documents or TXT files for RAG-powered Q&A.

Upload Business Blue prints, Functional Specs, Decision papers etc.

Explain ABAP code in Natural Language



Spec Assistant

Generate functional specifications. Preview, edit, and export.

Generate Functional specs using prompts

Generate Manual Test Cases, ABAP Unit test cases and test cases for Automation



Explain Code

Enter ABAP program, class, or function names. Fetch code from SAP and get intelligent explanations.



Test Case Generator

Generate manual test cases for Excel, Word, or PDF.



Welcome to Ask Yoda!

Query historical blueprints, specs, tickets, and test cases. Ask me anything!

💡 Tip: Upload documents via the **Document Upload** tile to expand my knowledge base.



Code Advisor

Analyze ABAP code for anti-patterns and get improvement recommendations with diff-style suggestions.

Code reviews and Code improvement suggestions including code remediation

Ask a question...



Eclipse Addon



Thank you