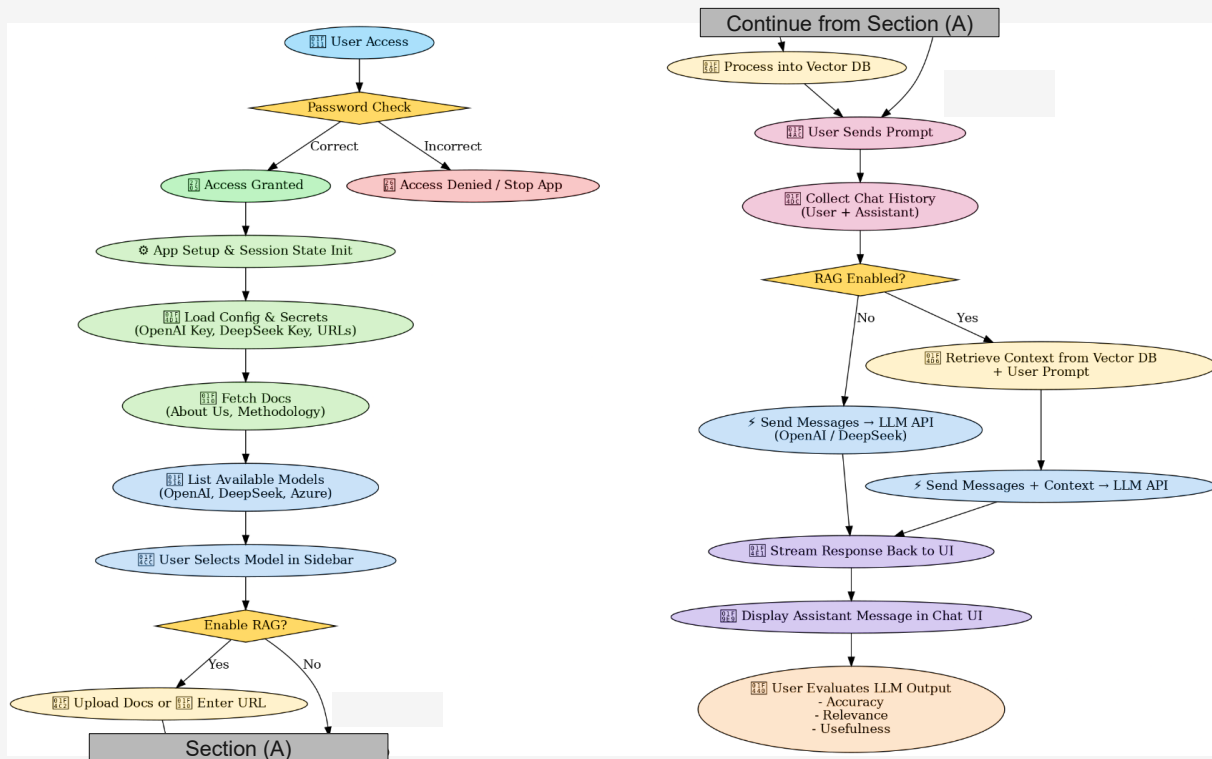# SysBuddy – AI Chatbot for System Management
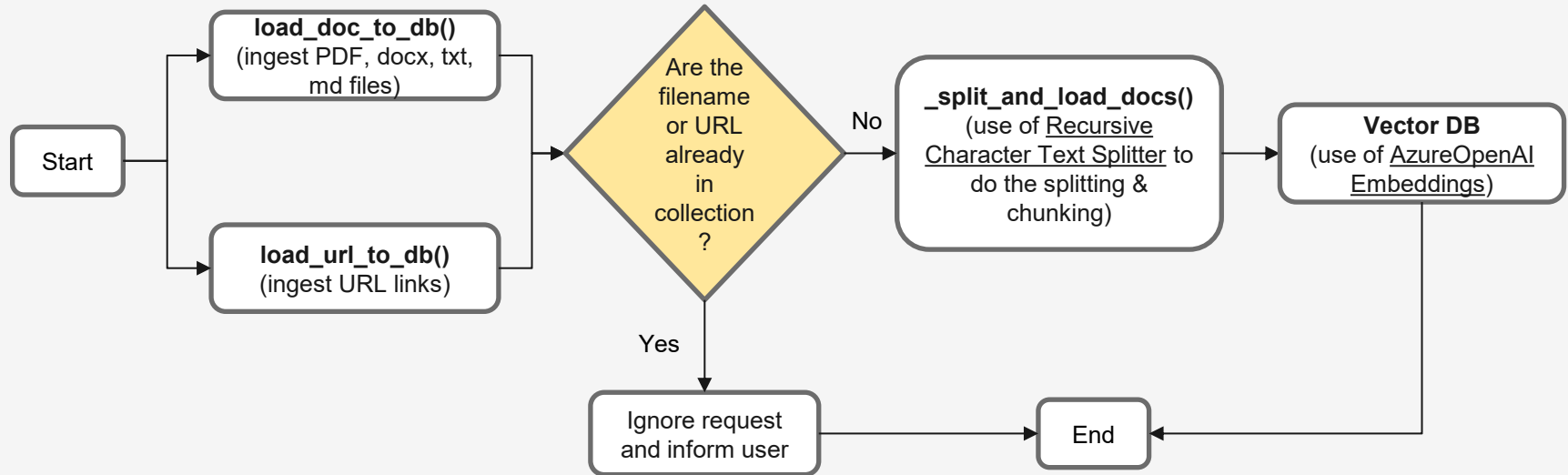
AI Champions Bootcamp 2025 Run 2
Methodology

Overall Methodology (Flowchart)

Use Case #1 - Flow Chart

Use Case 1: Upload materials into RAG DB

Start

load_doc_to_db()
(ingest PDF, docx, txt, md files)

load_url_to_db()
(ingest URL links)

Are the filename or URL already in collection ?

No

_split_and_load_docs()
(use of Recursive Character Text Splitter to do the splitting & chunking)

Vector DB
(use of AzureOpenAI Embeddings)

Yes

Ignore request and inform user

End

Use Case #2 - Flow Chart

Use Case 2: User selects appropriate LLM and sends prompt

Start → User selects appropriate LLM and sends prompt (choice of OpenAI and DeepSeek LLMs) → Is RAG option enabled?

- No (send prompt message) → Get response from selected LLM (via API) → Display reply from Chatbot → End
- Yes → Retrieve relevant context from Vector DB → (send prompt message **+ context**) → Get response from selected LLM (via API)