Microsoft
NL ISV Innovation Days

Accelerate Microsoft Cloud Development for Partners

WIFI code for the guests: **msevent463mh**

Partner introductions

topicus

elfsquad®

blue10

datasnipper

The Team

- Tech Team
  - Jos Verlinde
  - Emile Verbunt
  - Soham Dasgupta
  - Bogdan Grozoiu
  - Joke Feije-Edelman
  - Francesco Cortella
  - Rick van den Bosch
  - Raj Balakrishnan
  - Pieter Jellema (remote)
  - Davie Van Der Zwart (remote)

- PDM
  - Omur Sert
  - Andreea Mares
  - Mark Pannekoek
  - Niels Janssen

Agenda Day-1

- 09:00 – 09:30   Welcome
- 09:30 – 10:00   Meet & Greet, Logistics and planning of the day
                        Room 2009
- 10:00 – 10:30   Planning with CSA/PSA
- 10:30 – 12:00   Sprint-1
- 12:00 – 12:45   Lunch
- 12:45 – 15:00   Sprint-2
- 15:00 – 16:00   Learning & Questions Day 1

Agenda day-2

- 08:30 – 09:30 Welcome/Coffee
- 09:30 – 10:00   Joined Stand up Room 3001 & 4009
- 09:30 – 12:00   Sprint 3

  12:00 – 12:45   Lunch
- 12:45 – 15:30   Sprint 4 & Prep ppt
- 15:00 – 16:00   Presentations Team corner
- 16:00   Drinks & Bites Team corner

Short presentation & Demo
5 minutes + demo := 10-ish

- What was your challenge?

- What was the technical solution?

- How will the new learning be adopted in your solution?

- Demo!
  (Show it or it did not happen)

- Next Steps

Who & Where

Room
- 1928 (11-Oct)
- 4007 (12-Oct)

CSA: Rick van den Bosch

Room
- 2009 (11-Oct)
- 2029 (12-Oct)

CSA: Soham Dasgupta
Davie Van Der Zwart (remote)

Room
- 2001 (11-Oct)
- 4009(12-Oct)

CSA: Emile Verbunt
Pieter Jellema (remote)

Room
- 4029 (11 & 12-Oct)

CSA: Raj Balakrishnan

Goals for Sprint 0

What is the concept architecture ?

What is the plan for which sprint ?

Is there already a specific need for information ?

Access to Azure Open AI ?

If not – let us know so we can help

How to monitor for Azure and AOAI Quota

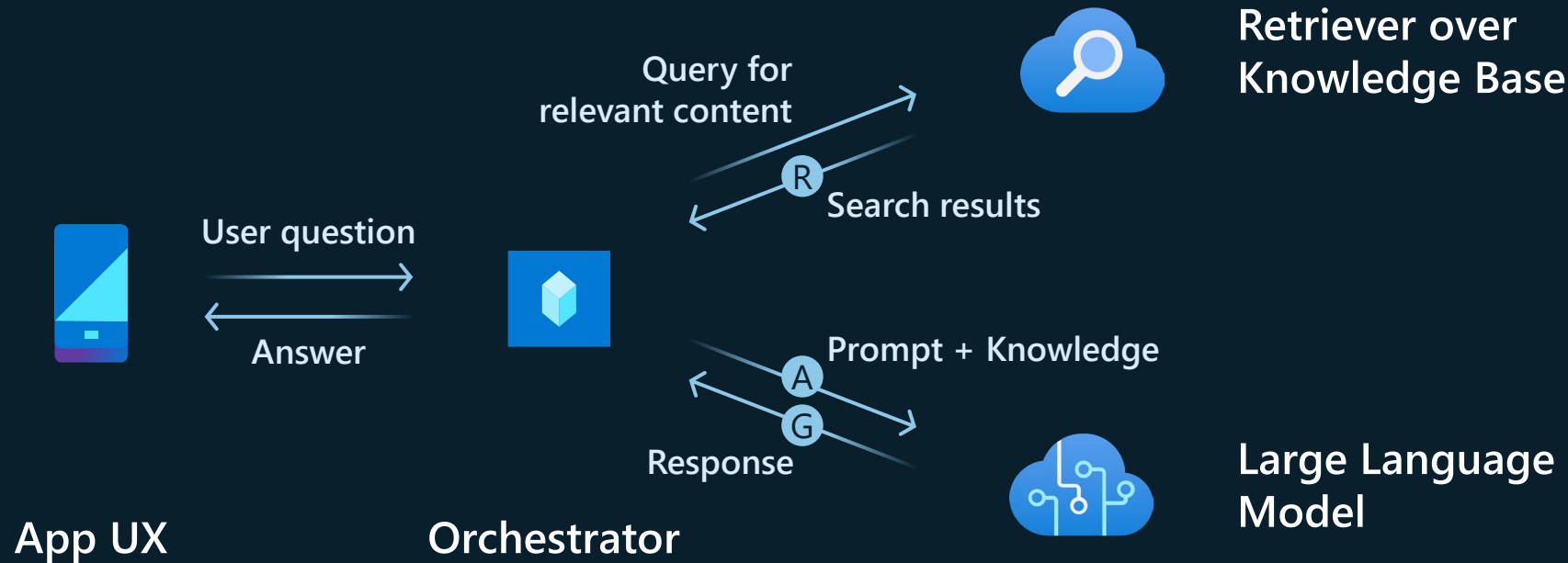# Problem: Generative AI doesn't know about your data

Prompt

Does my health plan cover annual eye exams?
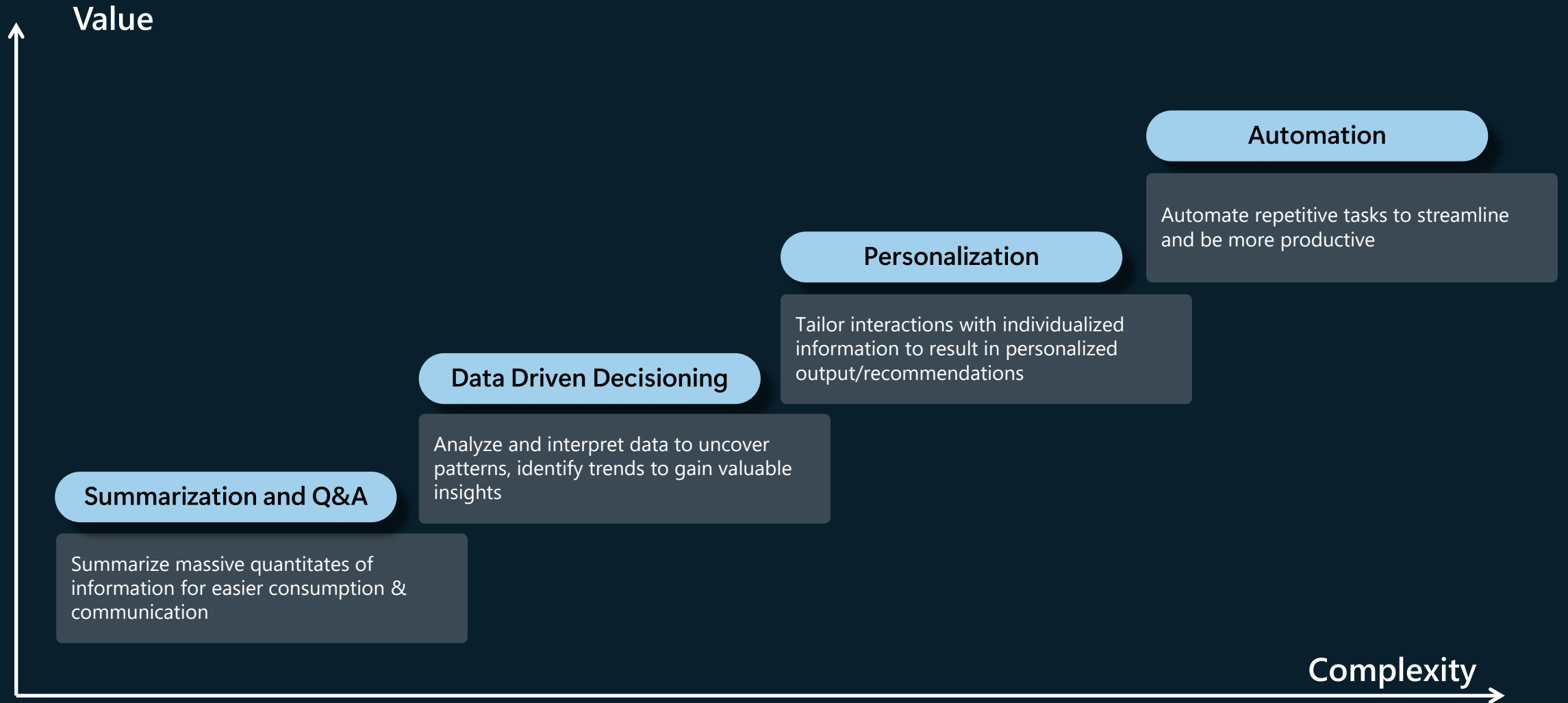
Response

I'm an AI language model and don't have access to specific information about your health plan

Retrieval Augmented Generation (RAG)
Anatomy of the workflow

Query for relevant content

R Search results

Retriever over Knowledge Base

User question

Answer

Prompt + Knowledge

A

G

Response

Large Language Model

App UX

Orchestrator

Generative AI use cases

Value ↑

Automation

Automate repetitive tasks to streamline and be more productive

Personalization

Tailor interactions with individualized information to result in personalized output/recommendations

Data Driven Decisioning

Analyze and interpret data to uncover patterns, identify trends to gain valuable insights

Summarization and Q&A

Summarize massive quantitates of information for easier consumption & communication

Complexity →

Generative AI use cases

Complexity

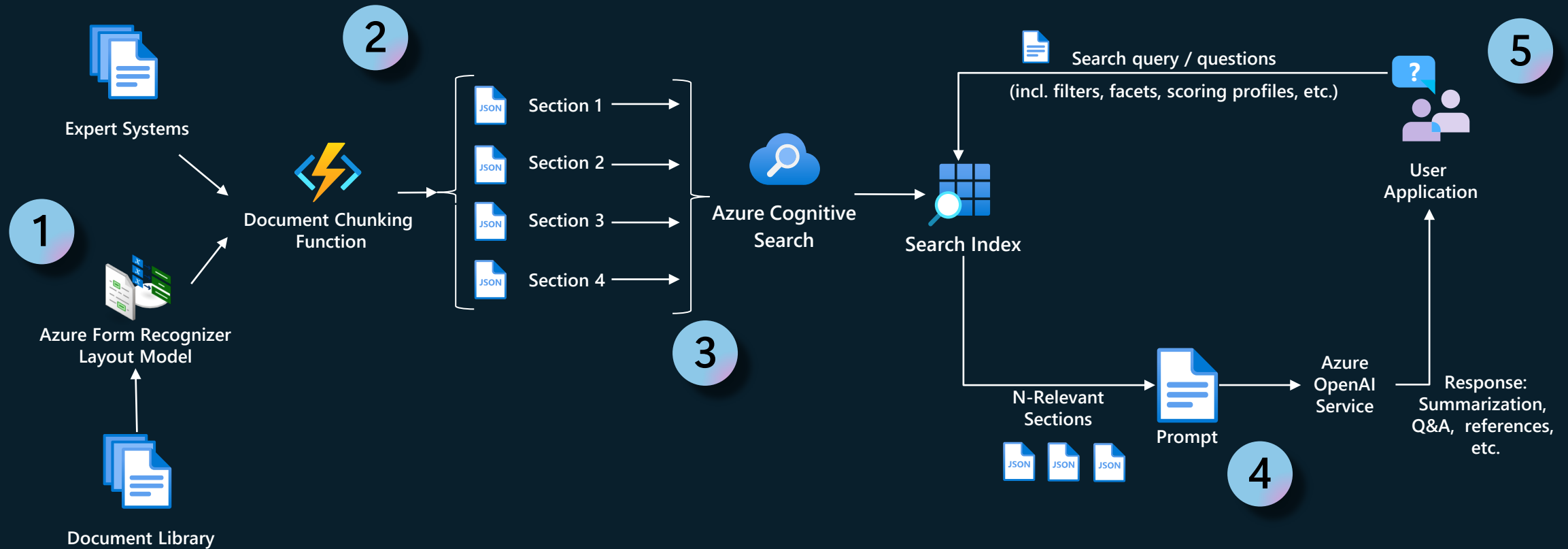|	Summarization and Q&A	Data Driven Decisioning	Personalization	Automation
Goal & Requirements	Goal: Summarize massive quantitates of information for easier consumption & communication Involves a simple single prompt One or few data sources	Goal: Analyze and interpret data to uncover patterns, identify trends to gain valuable insights Involves a single prompt and customized system prompt for better outcome One or few data sources	Goal: Tailor interactions with individualized information to result in personalized output/recommendations Requires multiple prompts, prompt chaining techniques, RBAC. Involves multiple steps Two or more data sources	Goal: Automate repetitive tasks to streamline and be more productive Requires multiple prompts, information exchange with expert systems. Might require workflows Multiple data sources
Technical Options	Azure OpenAI on your Data Cognitive Search (Traditional, Vector or hybrid search)	Azure OpenAI on your data Custom Implementation (Chat with your data toolkit) Cognitive Search (Traditional, Vector or hybrid search)	Custom Implementation (Chat with your data toolkit) Prompt Flow LangChain – Semantic Kernel Cognitive Search (Traditional, Vector or hybrid search)	Custom Implementation (Chat with your data toolkit) Prompt Flow LangChain – Semantic Kernel Orchestration Tools Machine Learning Cognitive Search (Traditional, Vector or hybrid search)

Anatomy of RAG Components