

CASE STUDY: VIRTUAL ASSISTANT GPT-3 INTEGRATION

THE PROBLEM

Virtual assistants can be too general:

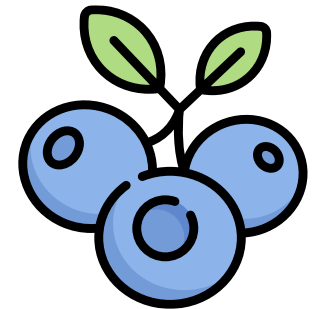
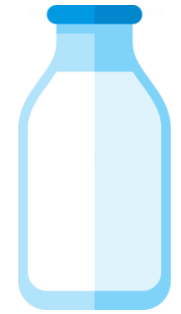
- Extract keywords from what is said and returns an info card with an answer
- Misunderstand the point all together
- Simply don't know the answer



SCENARIO: CREATING A SHOPPING LIST

Suppose you want your device to help you make a grocery list

“Alexa, remind me to buy milk, rice, and blueberries”



THE PROBLEM: MAKING AN **EFFECTIVE** SHOPPING LIST

When you are done listing your groceries a virtual assistant can only ask basic questions:

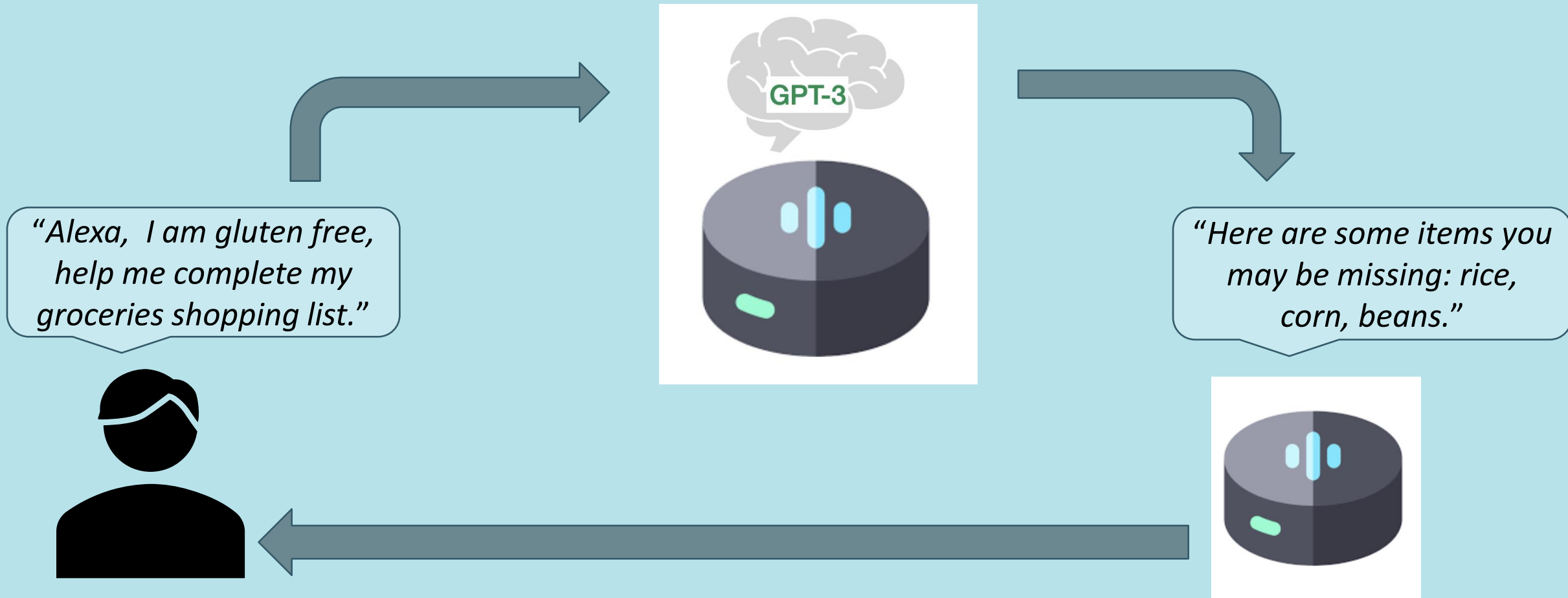
- *“When do you want me to remind you?”*
- *“Is that everything?”*

It would be ideal if the virtual assistant would help us completing our shopping list in a smart and effective way

THE SOLUTION: GPT-3 INTEGRATION

GPT-3 can solve the problem by using real context clues from conversation, rather than just giving up when it can't find a predefined response for a set of keywords.

THE IDEA



IMPLEMENTATION COSTS

LABOR COSTS

PROJECT ROLE	NUMBER OF PEOPLE	RATE PER DAY (\$)	NUMBER OF DAYS	TOTAL NUMBER OF DAYS	TOTAL RATE
Project Manager	1	\$550.0	1	1	\$ 550.00
Project Leader	1	\$500.0	2	2	\$ 1,000.00
Systems Analyst	1	\$400.0	2	2	\$ 800.00
Lead Developer	1	\$350.0	7	7	\$ 2,450.00
Developers	3	\$300.0	15	45	\$13,500.00
System Testers	3	\$150.0	4	12	\$ 1,800.00
Total Labour Costs					\$ 20,100.00

ONGOING/MAINTENANCE COSTS

ANNUAL MAINTENANCE FOR:	RATE PER UNIT/YEAR	NUMBER OF UNITS	RATE
Software	\$3,000.00	1	\$3,000.00
Hardware	\$500.00	1	\$500.00
Database	\$5,000.00	1	\$5,000.00
Cloud services- disaster recovery	\$1,500.00	1	\$1,500.00
Total Ongoing Costs			\$ 10,000.00

CONTINGENCY COSTS

			RATE
10% of total implementation costs			\$2,760.00
Total Contingency Cost			\$ 2,760.00

Project cost calculations

Total project cost	\$ 40,360.00
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