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ChatBot Robot MindsDB



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Proposal

Request Database Robot

Ask me a question about the databaserobots_test2

show all robots in the database

Here is the list of all robots in the database:

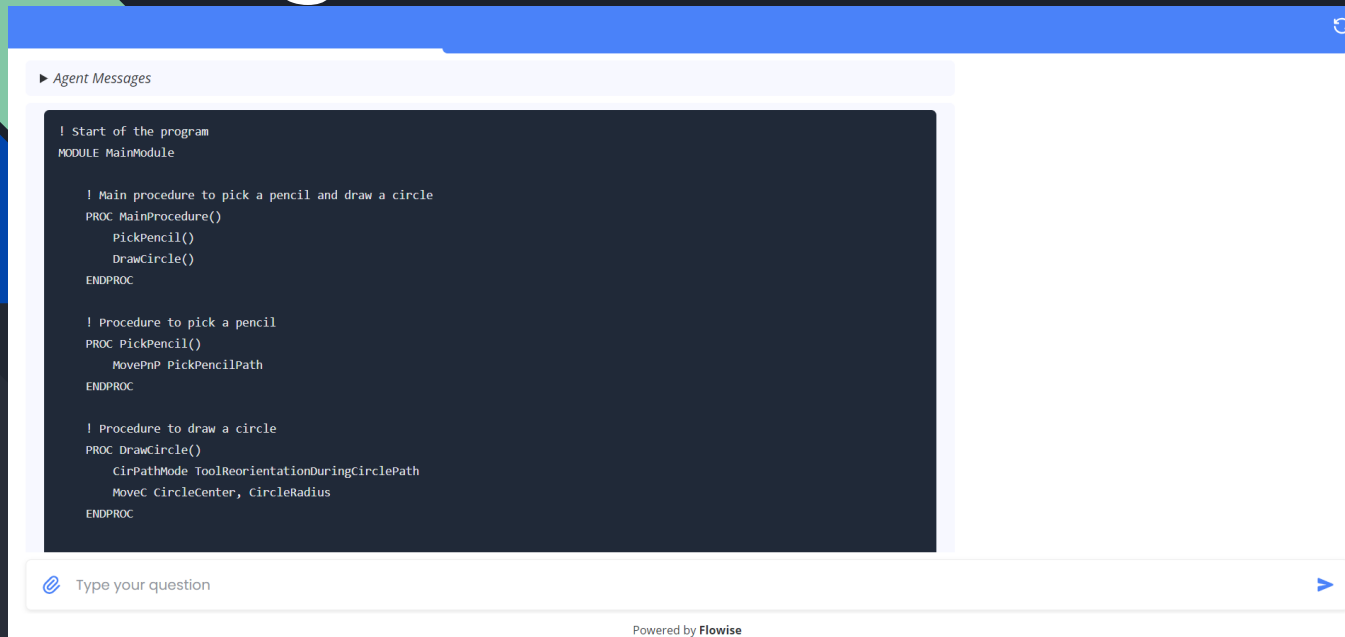
Type	Application	Payload (kg)	Range (m)	Price (USD)
IRB120	Machine Tending	3.0	0.6	20000.0
IRB140	Machine Tending	6.0	0.81	21000.0
IRB460	Palletizing	110.0	2.4	25000.0
IRB660	Palletizing	180.0	3.15	30000.0
IRB760	Palletizing	450.0	3.18	35000.0
IRB1010	Assembly	1.5	0.7	15000.0
IRB1600	Assembly	3.5	0.50	10000.0

Your Question

The application is a chatBot that consults a database, which contains information on Robot models, to answer user queries.

The Robot Code Agent allows, according to the user's request, to write RAPID code, v

Agent Coder Robot



The Robot Code Agent allows, according to the user's request, to write RAPID code, which is the programming language for industrial Robots.

The information is found from the structured programming in a Pinecone vector database, using RAG, the information is consulted and delivered to the user in RAPI code.



Project conclusions:

I already really wanted to do this project, I just needed the push. I consider Hackathons to be very enriching, it was the drive I was missing.

Project Scope:

The objective was to create a ChatBot for the student to learn the Industrial Robots, interacting with a ChatBot that has the ability to perform a deep search in the database using MainsDB Service, and give a corresponding response, using an optimized Vector database. Like Pinecone. This tool triggers a field of opportunities in the creation of solutions using OpenAI - LLMs - RAG - Generative AI, which will strengthen not only the student who is starting out in the field of Industrial Robots, but also engineers and researchers who need to automate their work.