Project Overview

• Solves the problem of employees having to manually check the databases.
• Our project’s purpose is to create a voice assistant that can respond to user’s question
• Divide project contents by user's positions or identify which part of the project is responsible to the user’s position.
System Architecture

User

Front-end
Login
Digital Assistant

Back-end
AWS Lambda
AWS Lex
DynamoDB

External APIs and Database
Drive IT API
Google Cloud Platform APIs

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Conversation - Guide

Interactive Digital Assistant

Hello, Team Stellantis. How can I help you?

What's the aspect you want to ask?

Aspects
- SCHEDULE
- PROJECT
- INCIDENT
- PLANT

Do you want to be directed to ask incident? (Yes or No)

Type here or click on the mic
Conversation - Project

Interactive Digital Assistant
What's the aspect you want to ask? Schedule, Project, Incident, or Plant?

Do you want to be directed to ask project? (Yes or No)

Give me a keyword of the project.

I found 3 projects with the keyword "assistant" in their names. Which one are you looking for?

List of Projects
- SCHOOL ASSISTANT
- VOICE ASSISTANT
- INTERACTIVE DIGITAL ASSISTANT

Type here or click on the mic
Conversation - Project
Conversation - Project

The current milestone of the project Interactive Digital Assistant is recorded that "Alpha Presentation started on 10/4/2021 and expected to be completed by 10/18/2021."
Conversation - Incident
Conversation - Incident

The short_description of INC6471617 is “Sparc - Install application.”
Error Handling

Interactive Digital Assistant

Hello, Team Stellantis. How can I help you?

give me the list of incidents

I apologize. I do not have that instructions defined in the system. Your statement will be recorded for the future enhancements.

is Interactive Digital Assistant on going?

Sorry, I could not understand your instructions. Your statement will be recorded for the future enhancements.

Type here or click on the mic
What’s left to do?

• Building login authentication system
• Implementing conversation about plants
• Re-implementing conversation relating to the calendar
• Improve on question/statement and response to be more conversational
Questions?