From Students…
…to Professionals

Alpha Presentation
Interactive Digital Assistant

The Capstone Experience

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Fall 2021
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

Back-end

External APIs and Database

Drive IT API

Google Cloud Platform APIs
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

help

help

incident

incident

yes

yes
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

Interactive Digital Assistant

What is the number of the incident? (7 digits only)

6471617

What information would you like to know?

- NUMBER
- AFFECTED USER
- CONFIGURATION ITEM
- COMPONENT CI
- STATE
- PENDING REASON
- ASSIGNMENT GROUP
- ASSIGNED TO
- SHORT DESCRIPTION
- PRIORITY
- CHANGE REQUEST
- CAUSED BY CHANGE
- ENHANCEMENT
- PROBLEM
- CLOSE CODE
- RESOLUTION
- CASUAL CODE
- CLOSURE COMMENTS
- IMPACTED PLANTS
- IMPACTED DEALERS
- EXTERNAL SYSTEM
- EXTERNAL NUMBER
- PARENT
- MARKET
- APPLICATION FUNCTION
- COMMENTS AND WORK NOTES

Type here or click on the mic.
Conversation - Incident
Error Handling

Hello, Team Stellantis. How can I help you?

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

Type here or click on the mic.

give me the list of incidents

is Interactive Digital Assistant on going?
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?