

APEX World 2024

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## Dimitri Gielis

- Founder & CEO of United Codes
- 25+ years of Oracle Experience (OCP & APEX Certified)
- Oracle ACE Director
- "APEX Developer of the year 2009" by Oracle Magazine
- "Oracle Developer Choice award (ORDS)" in 2015
- Author Expert Oracle APEX
- Presenter at Conferences



## Vito Van Hecke

- Consultant at **United Codes**
- JavaScript enthusiast
- Loves discovering technology
- APEX Certified
- 5+ years experience (2 with Oracle APEX)



# united codes.

## www.united-codes.com







**O** APEX Project Eye

Plug-ins Pro



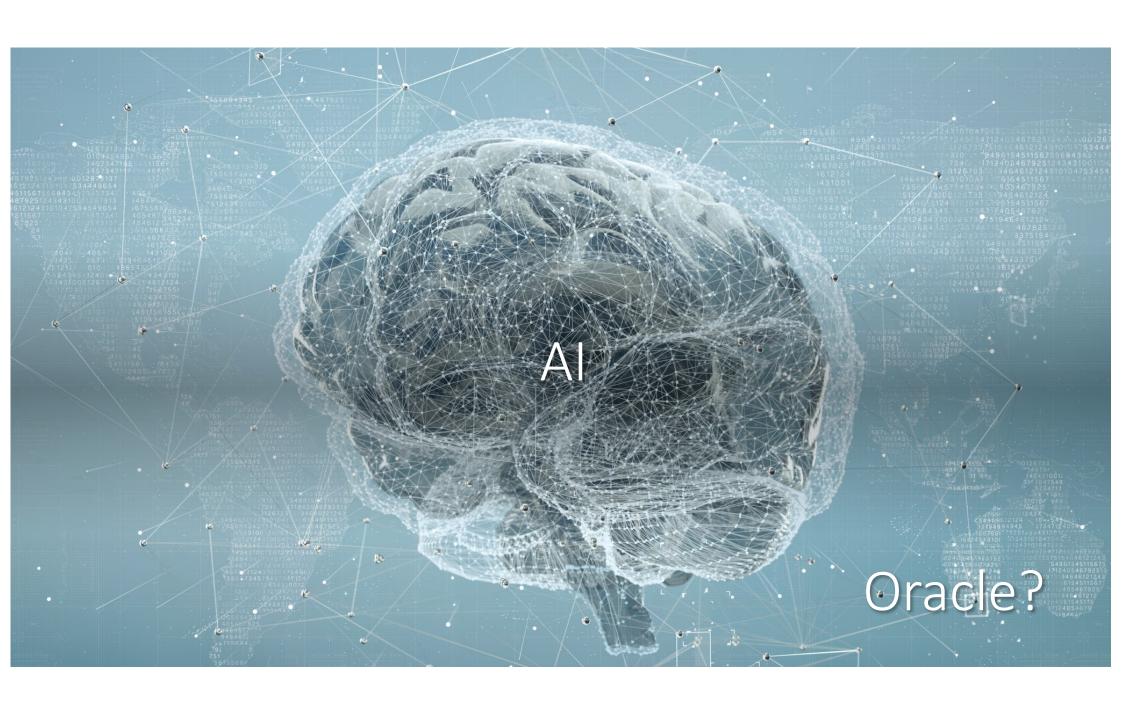




# Students who search for a room...

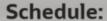
... have so many questions in a short timeframe

- In which part of the town do you have rooms available?
- What does the room look like?
- What is the price of the room?
- Can we get more info about the room?
- Can I view/visit the room?
- What does the environment look like?
- Which other students are there?
- I want to rent ... (in email details)



# Digital Assistant best practice webcast series

Successs stories from partners & customers



- What makes a great digital assistant
- Production quality NLP
- Why are Entities so important?
- Best practices while designing conversations
- Connect ODA with any backend application
- · Expose your assistant anywhere you need

#### Watch on-demand:

https://bit.ly/buildbetterbots

https://www.youtube.com/watch?v=flSxullOxrM



What makes a great digital assistant - Best practice Oracle Digital Assistant Webcast part 1

#### Date: September 6 2022

Start Time: 16:00-17:30 CET Duration: 90 mins Read More

Register Now



Production quality NLP - Best practice Oracle Digital Assistant Webcast part 2

#### Date: September 20 2022

Start Time: 16:00-17:30 CET Duration: 90 mins Read More

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Why are Entities so important? - Best practice Oracle Digital Assistant Webcast part 3

#### Date: October 4 2022

Start Time: 16:00-17:30 CET Duration: 90 mins Read More

Register Now



Best practices while designing conversations -Best practice Oracle Digital Assistant Webcast part4

#### Date: October 25 2022

Start Time: 16:00-17:30 CET Duration: 90 mins

Read More

Register Now



Connect ODA with any backend application - Best practice Oracle Digital Assistant Webcast part 5

#### Date: November 8 2022

Start Time: 16:00-17:30 CET Duration: 90 mins

Read More

Register Now



Expose your assistant anywhere you need - Best practice Oracle Digital Assistant Webcast part 6

#### Date: November 22 2022

Start Time: 16:00-17:30 CET Duration: 90 mins

Read More

Register Now

## What is Oracle Digital Assistant?

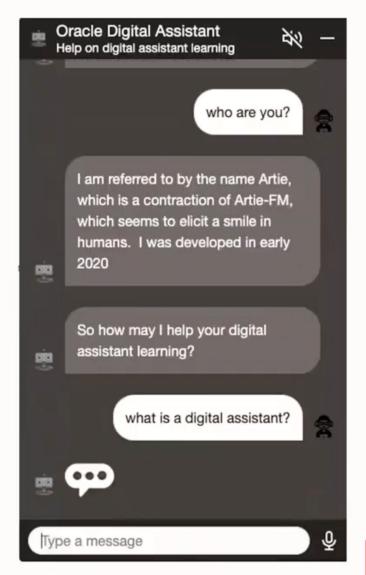
Platform to build intelligent chatbots

Al based Natural Language Processing (NLP)

Talk or send a text for answers, process a request, drive action

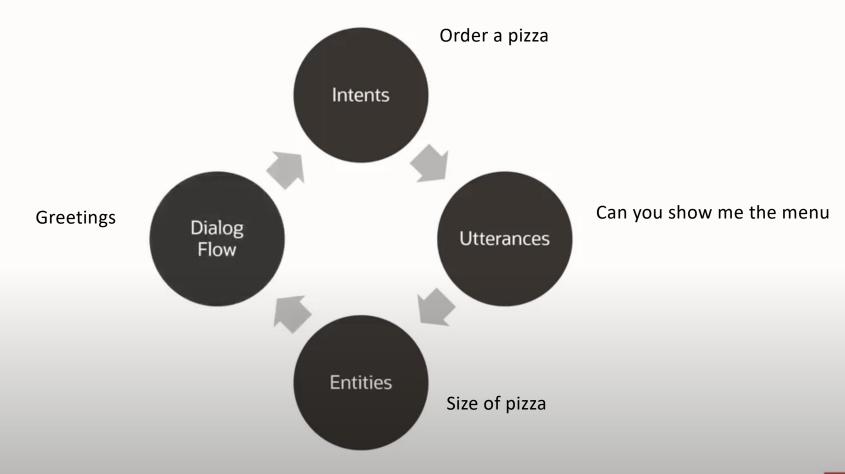


https://bit.ly/ArtieLive





## **Conversational AI Building Blocks**

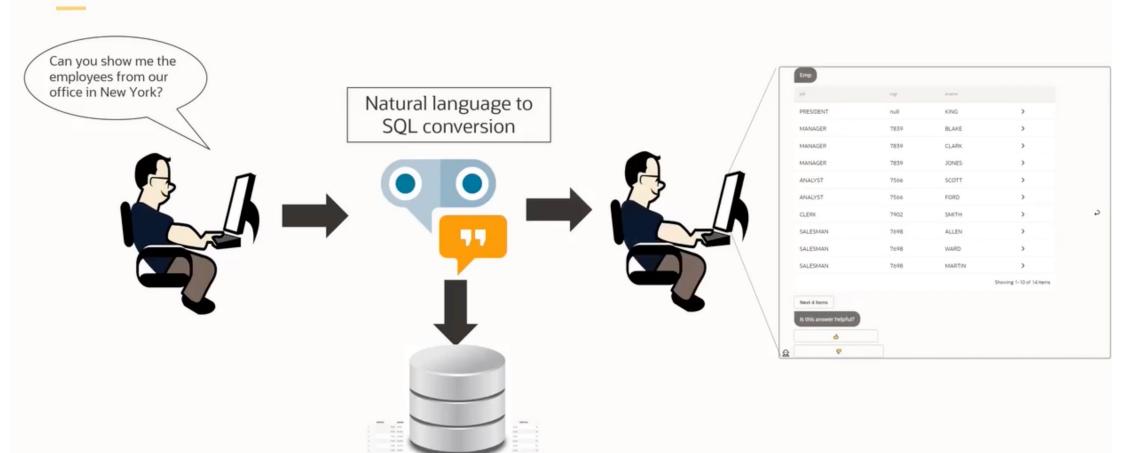






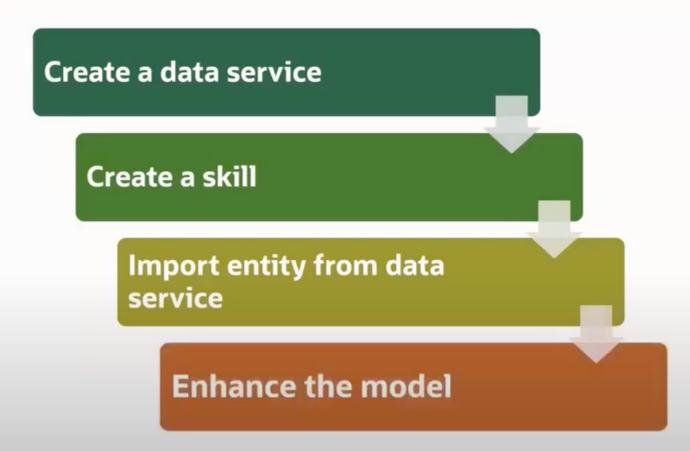
# SQL Dialog provides a **natural language** conversational interface to databases

## How does it work?





## Steps to build a SQL Dialog



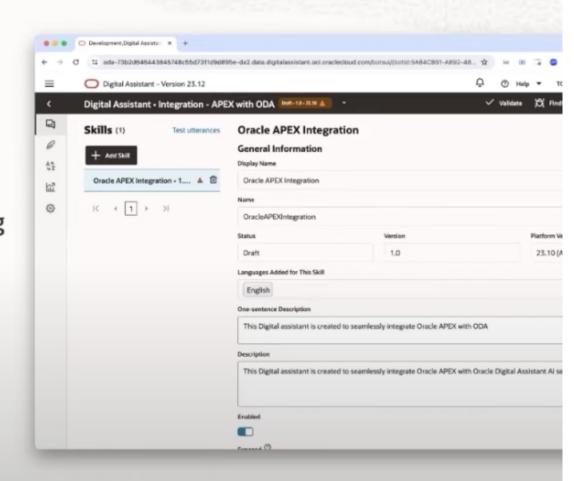
## **Oracle Digital Assistant**

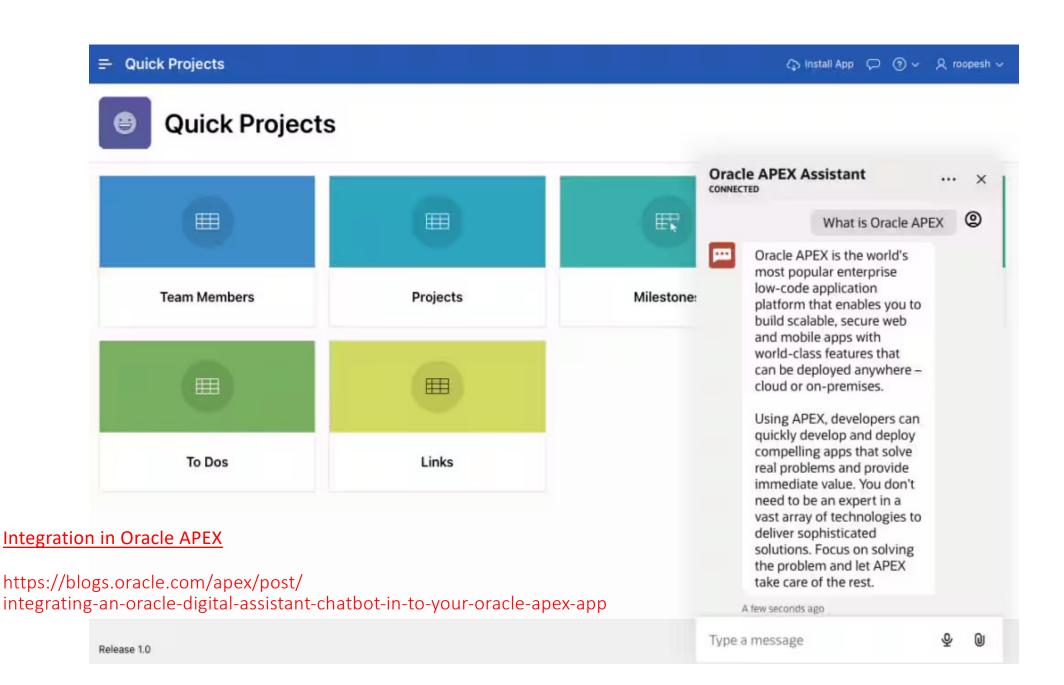
Comprehensive Al Platform to create conversational experiences

Advanced Natural Language Understanding

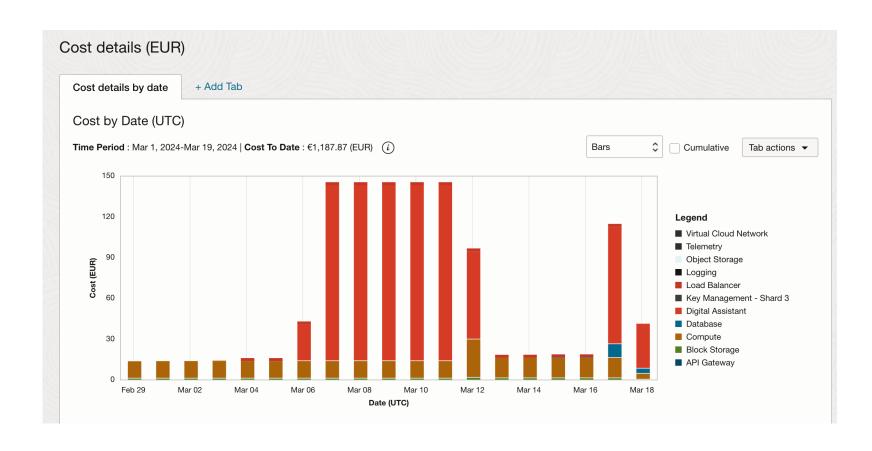
One assistant for all applications

Prebuilt skills and templates





# Euh?





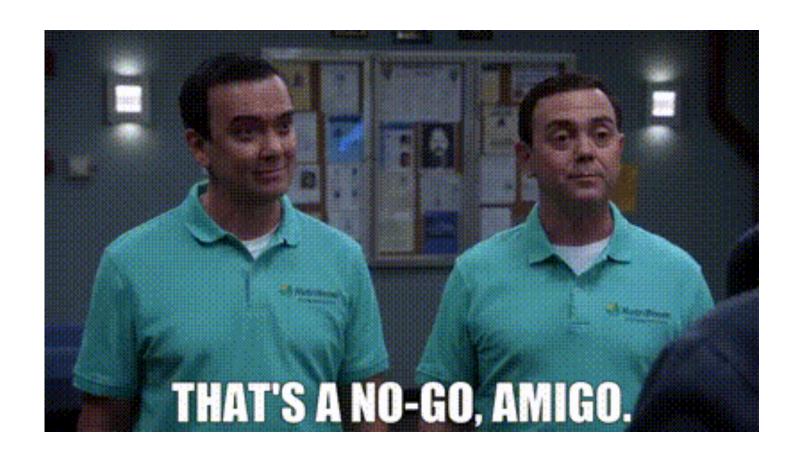
# Pricing

Oracle Digital Assistant		
Product	Unit Price (Request)	Minimum (Requests per hour
Oracle Digital Assistant Cloud Service	0,021576 €	250

## Let's do the math!

- 0.021576 / request
- 250 minimum requests per hour
- 24 hours in a day
- = 0.021576 \* 250 \* 24
- = 130 EUR/day
- = 130 EUR \* 30 days
- = 3900 EUR/month !?!

# Oracle Digital Assistant

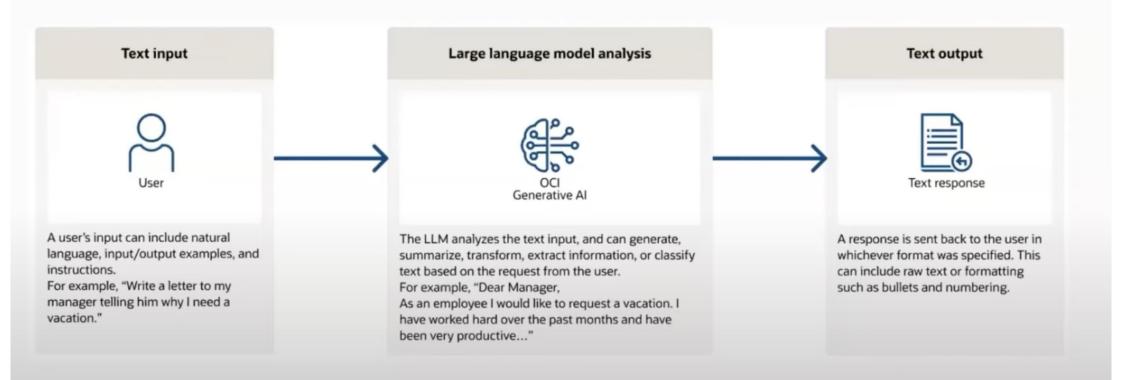


## What else?

- Generative AI
- Select Al



### **How Generative AI Works?**



## Generative Al

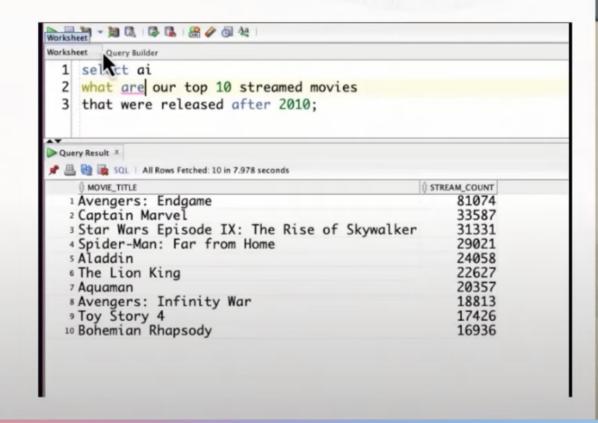
- LLM
- Get info based on provided prompts (context)

## **Autonomous Database Select Al**

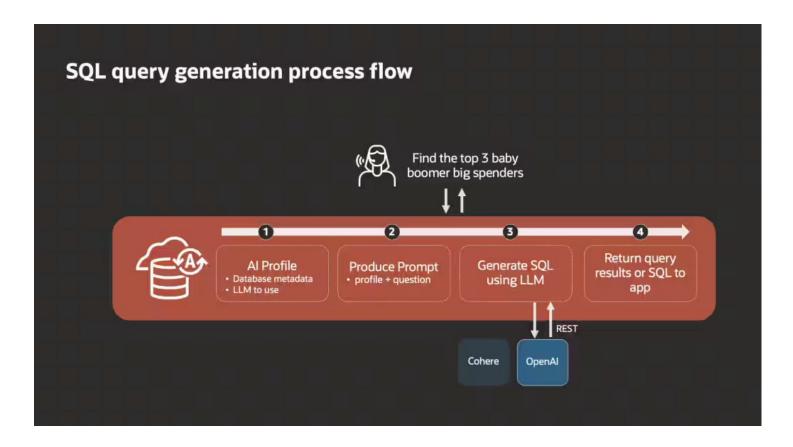
Capability of Autonomous Database

Use **human language** to query data

**Generates SQL Queries** using Natural language



# Select Al



https://blogs.oracle.com/apex/post/configuring-generative-ai-in-oracle-apex-using-select-ai

## **Configure Select Al**



```
l_response := DBMS_CLOUD_AI.GENERATE (
   prompt => '<task + data>',
   profile_name => 'openai',
   action => 'showsql' / chat
);
```

# Challenges



How do you switch between Generative AI and Select AI?

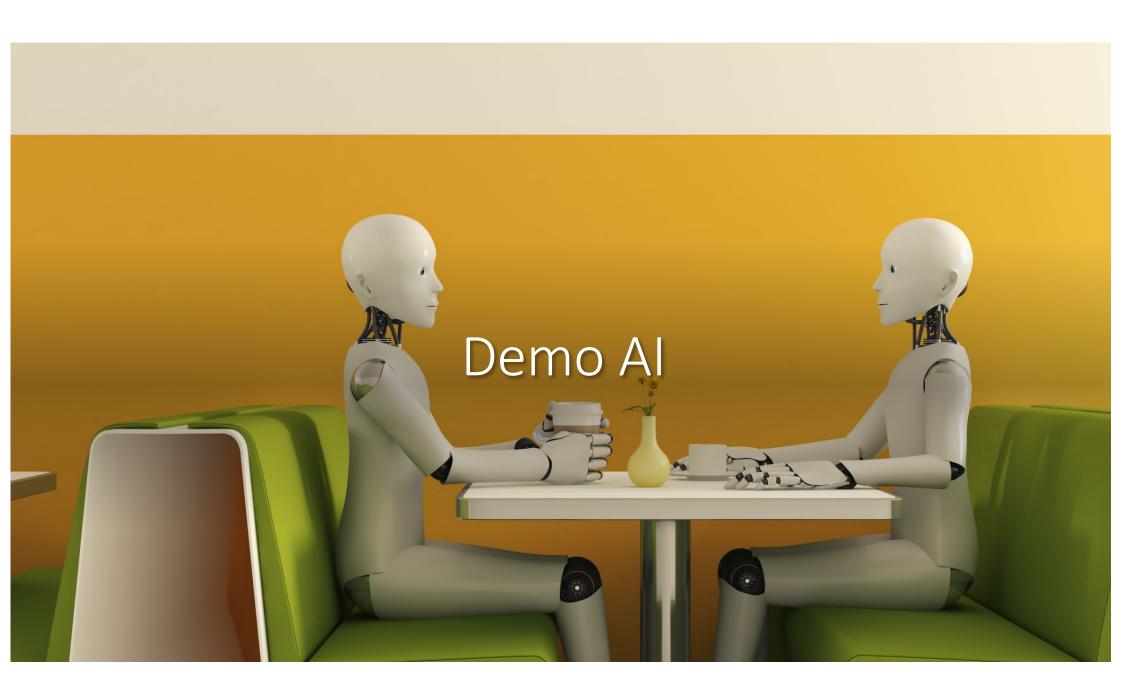


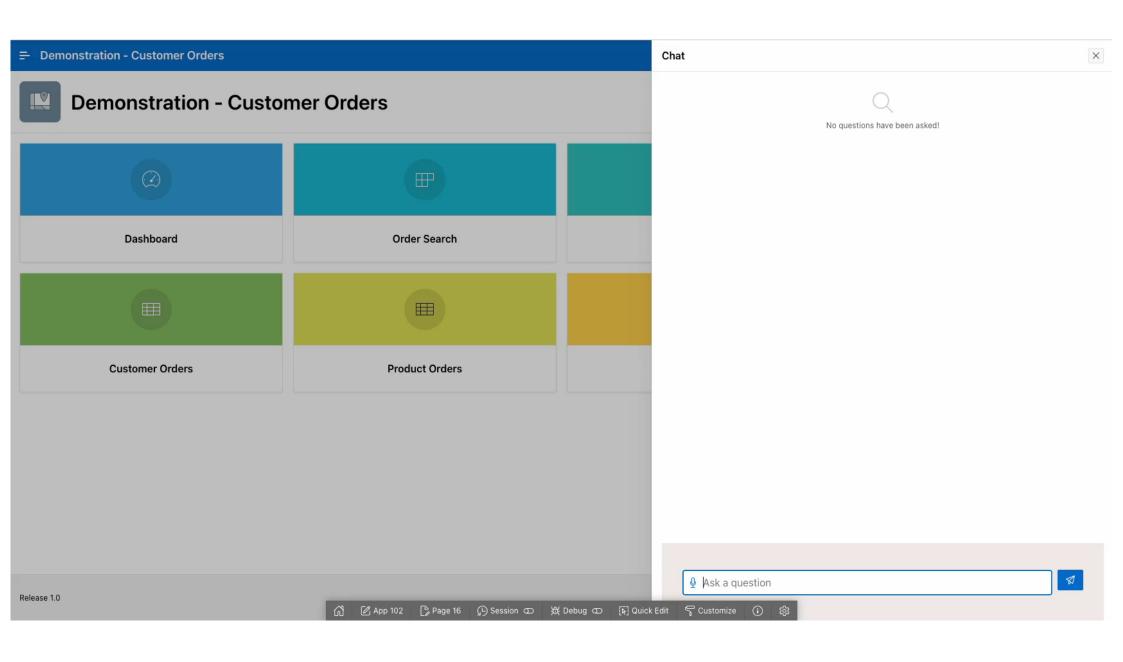
**Text only** 



How do you

show images show a map create links





Q&A

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