

PHASE 2

# Travel Booking Chatbot



# AGENDA

01

OVERVIEW

02

METHODOLOGY

03

DEMONSTRATION

04

NEXT STEPS



# OVERVIEW

01

# Chat Product

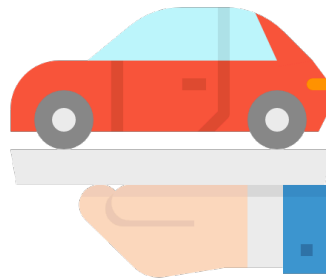
CoronaTravel wants to create a conversational product that allows users to query:



**FLIGHT  
PRICES**



**HOTEL  
BOOKINGS**



**CAR  
RENTALS**

# Project Plan

PHASE 1

PHASE 2



Create a POC model  
that extracts information  
from conversational text

Productionize model to an  
instant messaging platform  
(e.g., Slack)

02

# METHODOLOGY





# Architecture

① Messaging platform



② Secure tunnel



③ Automated responses



Pre-trained model



Linear SVM



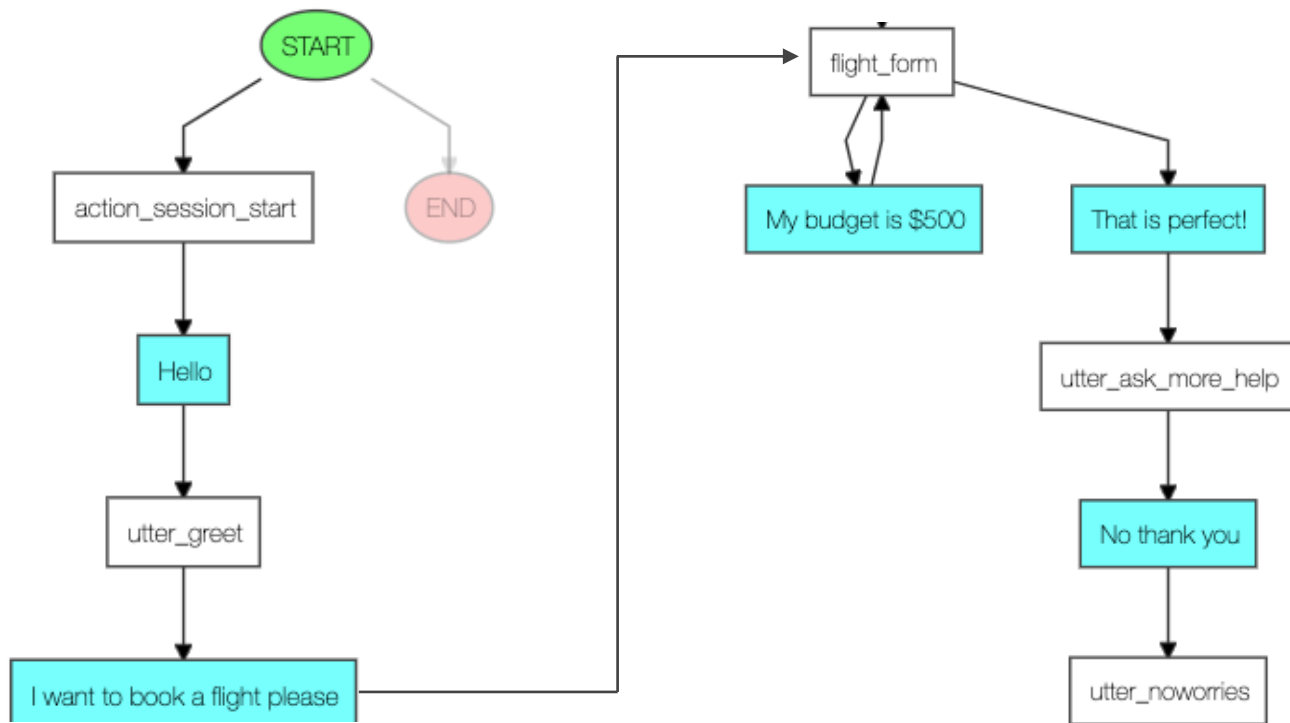
Travel API



# Rasa Workflow

 Chatbot action

 User input





# Intent Classification



*I want to travel  
to Paris*

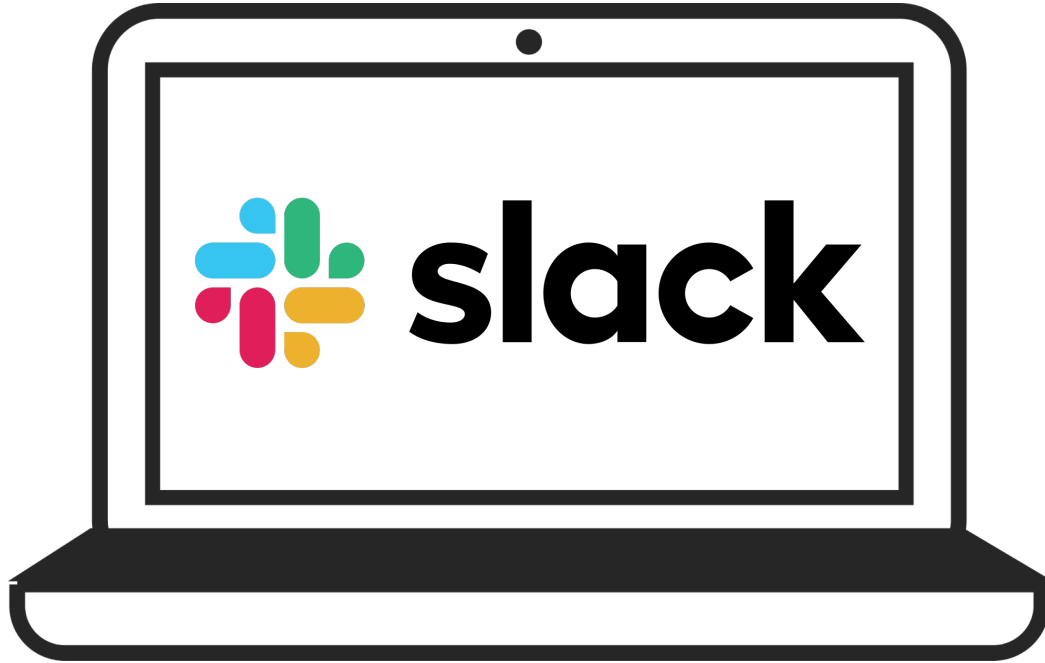
| Confidence | Intent        |
|------------|---------------|
| 0.53       | flight search |
| 0.37       | inform        |
| 0.05       | stop          |
| 0.03       | chitchat      |
| 0.02       | affirm        |

A wide-angle photograph of a desert landscape with large, rolling sand dunes under a clear blue sky. A caravan of camels, each carrying a colorful saddlebag, is walking in a line across the sand. Several people are walking alongside the camels, guiding them. The scene is brightly lit, casting long shadows.

DEMO

03

# Demo



04

NEXT STEPS



# Next Steps

- ① Validate user input
- ② Provide different flight options
- ③ Access to websites (i.e., Selenium)



THANKS

