



DON'T BE ANGRY

Real-time Script
Audience Emotion Recognition
Question and Corresponding script
Email

常安彥
曾靖桐
李松憶

OUTLINE

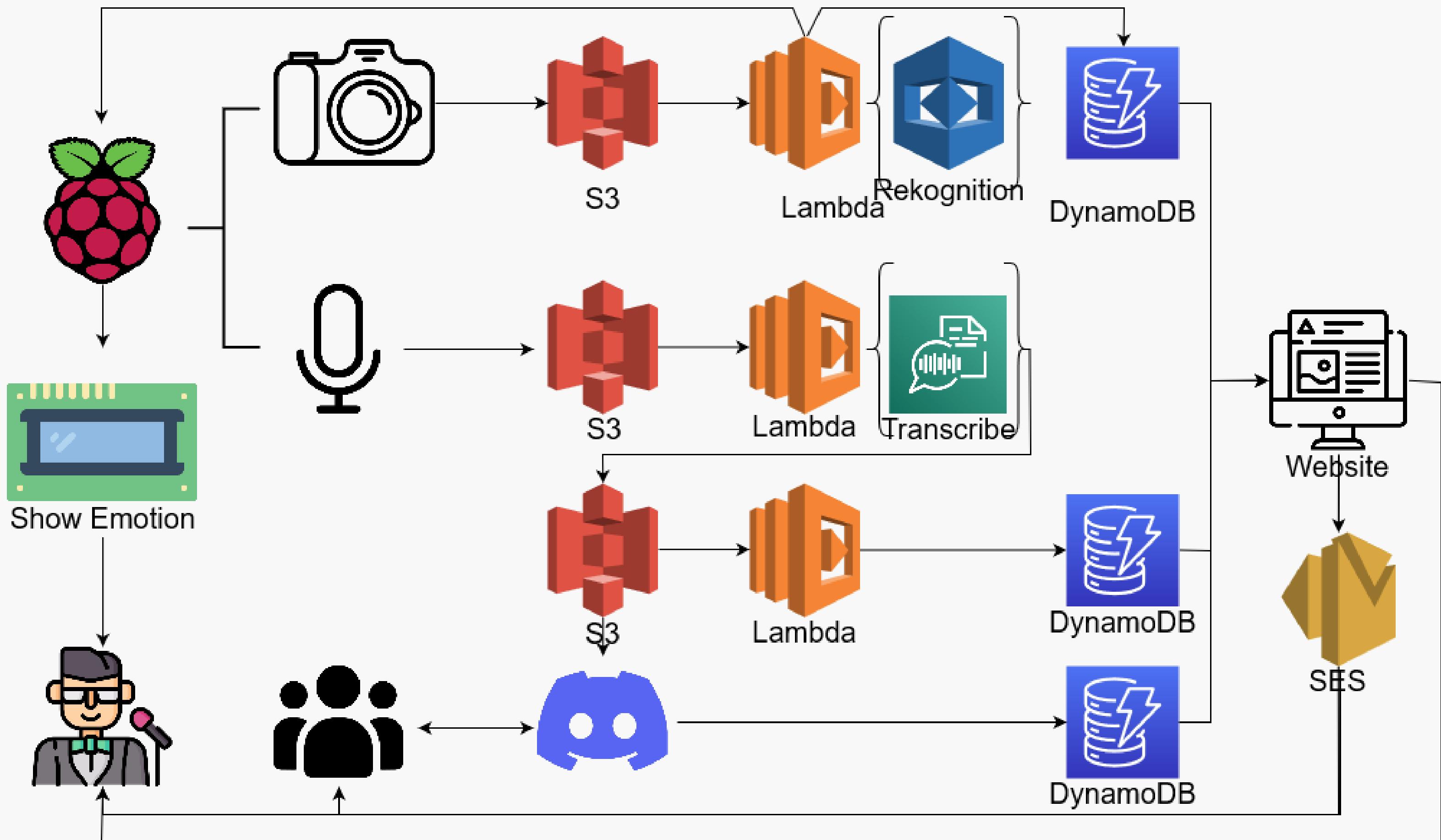
- Motivation
- Dataflow
- Demo
- Service we used
- What we have learnt
- Q&A

MOTIVATION

- Emotion expression for spokesman
- Script for audience
- Questions for audience
- Corresponding statement of questions for spokesman
- Email of script for both



DATA FLOW

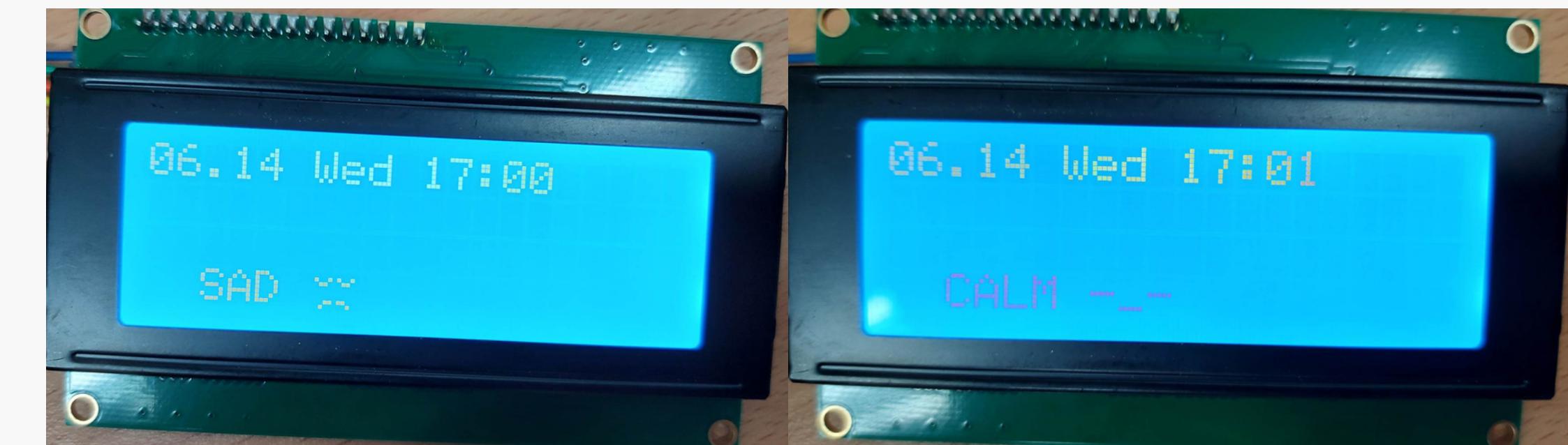


RASPBERRY PI

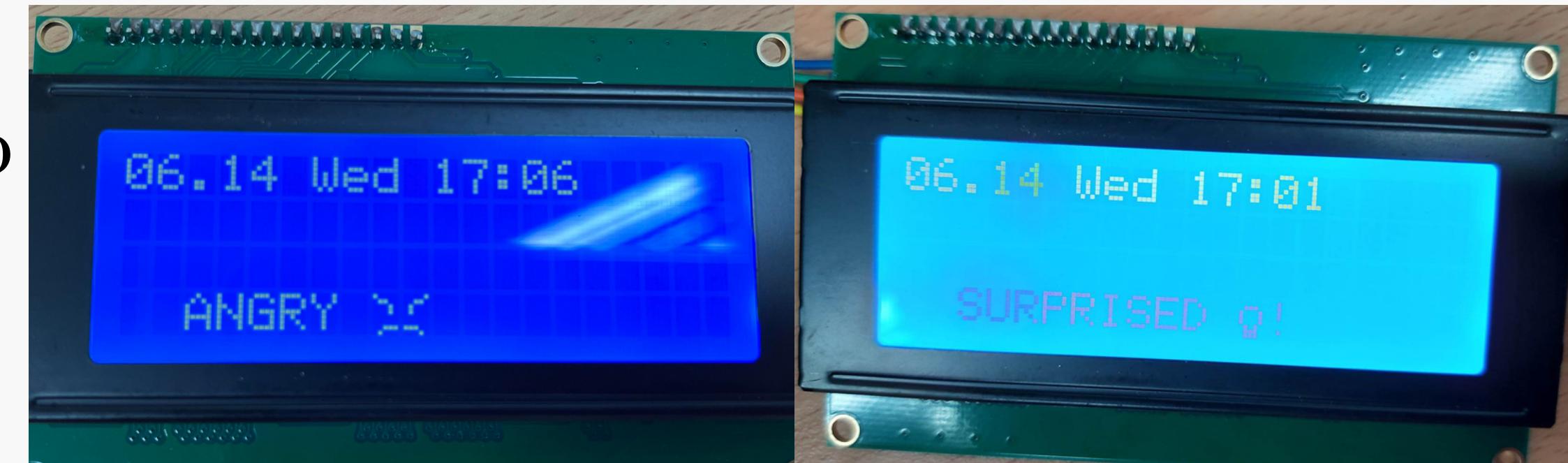
Capture audiences' facial expression



Record the speech



Show various emotions to spokesman



DISCORD



A screenshot of a Discord channel titled "# 逐字稿". The channel interface includes a search bar at the top right with icons for file download, search, and help. On the right side, there are two sections: "線上 - 3" (3 online) and "離線 - 2" (2 offline). The "線上" section lists three users: "initialN" with a crown icon, "rogertzeng", and "Stanley1999". The "離線" section lists "Question bot" and "Script". The main channel area shows a conversation between "Script" (機器人) and "Question bot" (機器人). The "Script" bot is telling a story about three little pigs:

Once upon a time. There was an old mother pig who had three little pigs and not enough food. To feed them. So when they were old enough, she sent them out. Into the world to seek their fortunes. The first little. Pig was very lazy. He didn't want to work at all and he built. His house out of straw. The second little pig worked a.

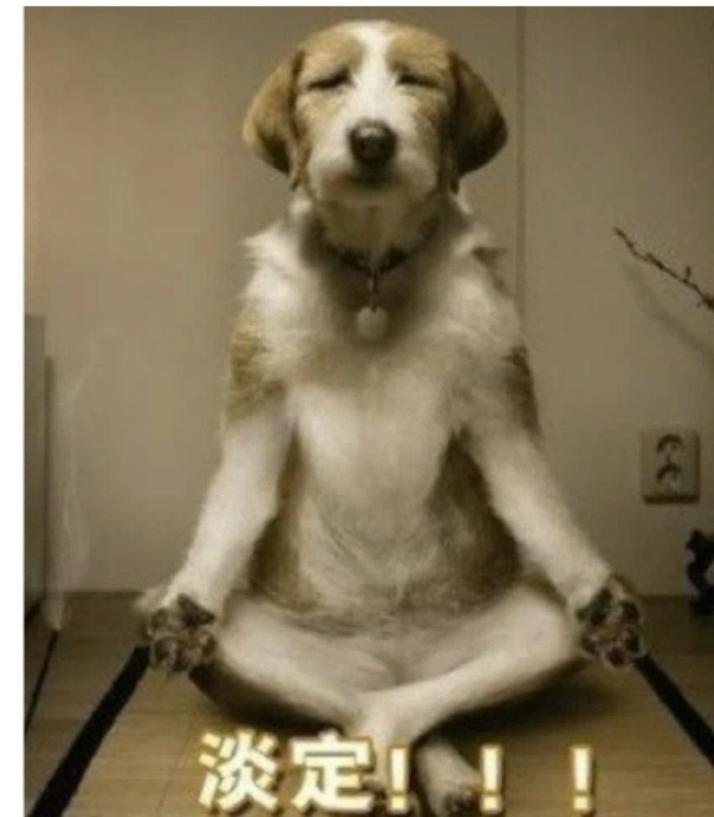
What is the pig's name?

Little bit harder, but he was somewhat lazy too and he built his house out of. Sticks, then they sang and danced and played together. The rest of the day, the third little pig worked hard on. Day and built his house with bricks. It was a sturdy house.

How do pigs build their house?

Look like it could withstand the strongest winds the next day. A wolf happened to pass by the lane where the three little pigs live.

WEBSITE



CALM

- Audience Emotion -

Real-Time Script

01

Once upon a time.



There was an old mother pig who had three little pigs and not enough food.

WEBSITE

Questions



What is the pig's name?

Audience: Stanley1999

Corresponding Script: The first little pig was very lazy. He did.



How do pigs build their house?

Audience: Stanley1999

Corresponding Script: Third, little pig worked hard all day and built his house with bricks.

WEBSITE



ANGRY

- Audience Emotion -



CONFUSED

- Audience Emotion -



SAD

- Audience Emotion -



FEAR

- Audience Emotion -



SURPRISED

- Audience Emotion -



HAPPY

- Audience Emotion -



DISGUSTED

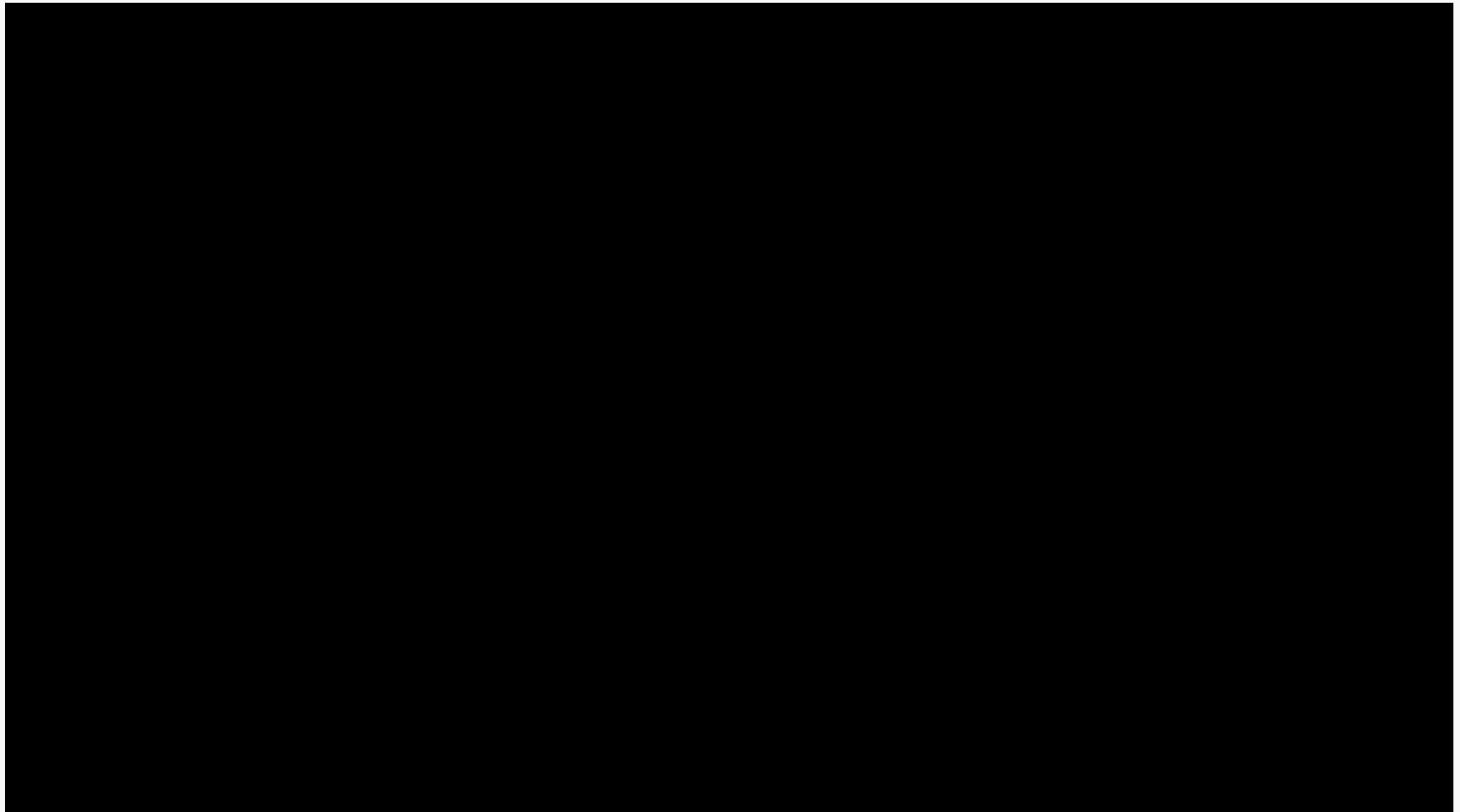
- Audience Emotion -



CALM

- Audience Emotion -

DEMO



SERVICE WE USED

Transcribe

Transcribe the speech

Rekognition

Recognize the emotion

Lambda

Trigger functions

DynamoDB & S3

Script, questions, and emotions storage

SES

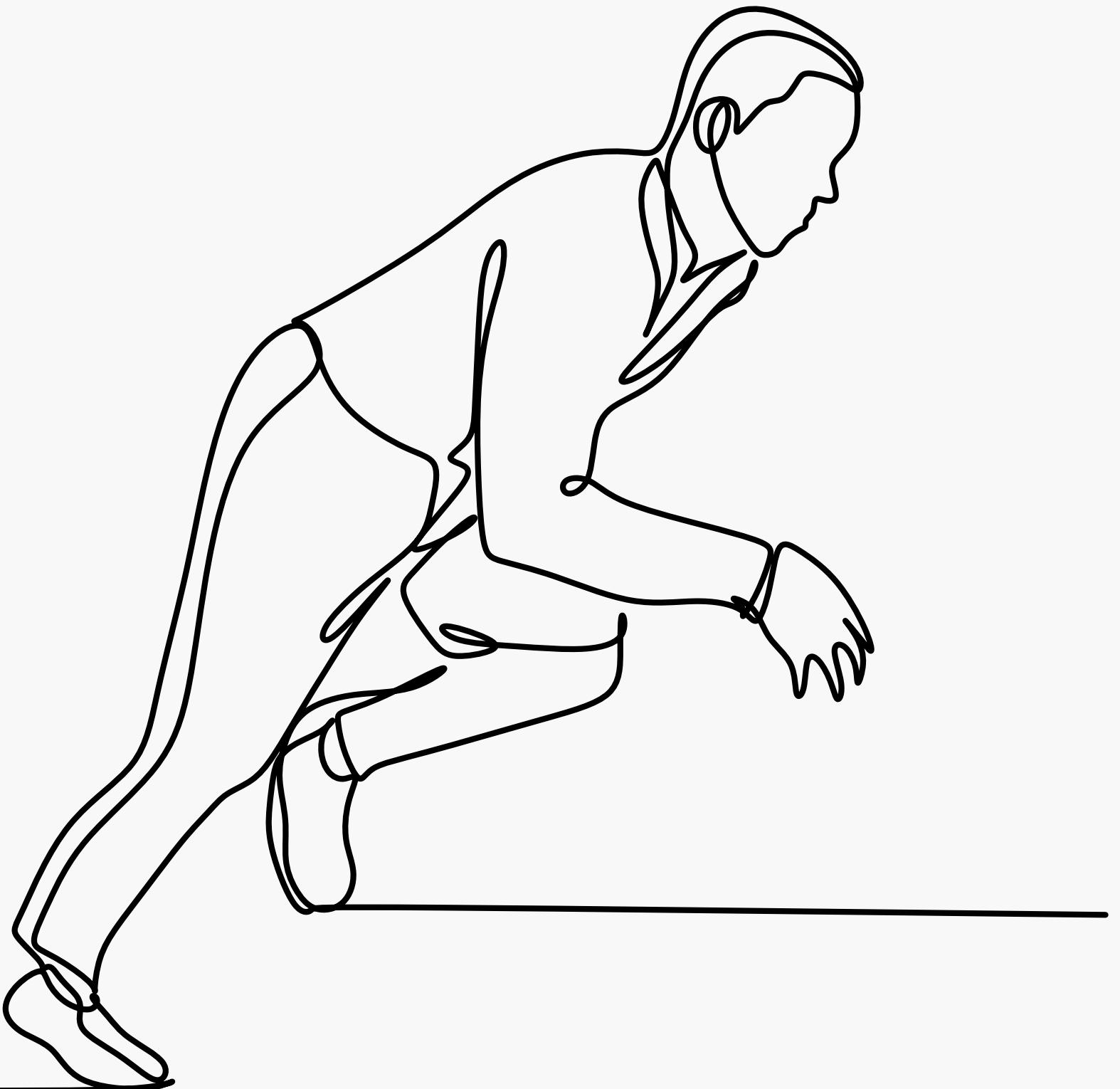
Website 'dismiss'

Cloud9 & EC2

Bot server

WHAT WE'VE LEARNT

- AWS services
- Raspberry PI (& AWS)
- Website (& AWS)
- Discord bot (& AWS)
- Integrate above





RICK ROLL



Q & A

I will be happy to answer your questions

Thank you!