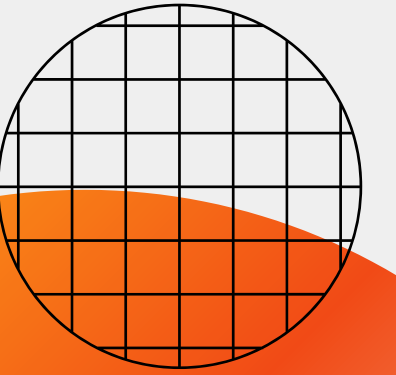


Let's Start

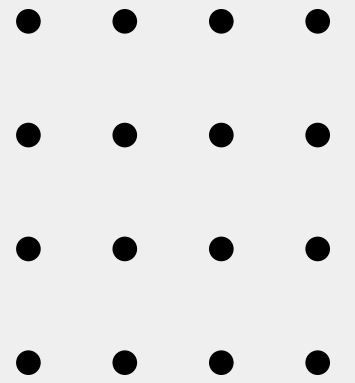
Speech Recognition for Personal Items, Furniture, and Software



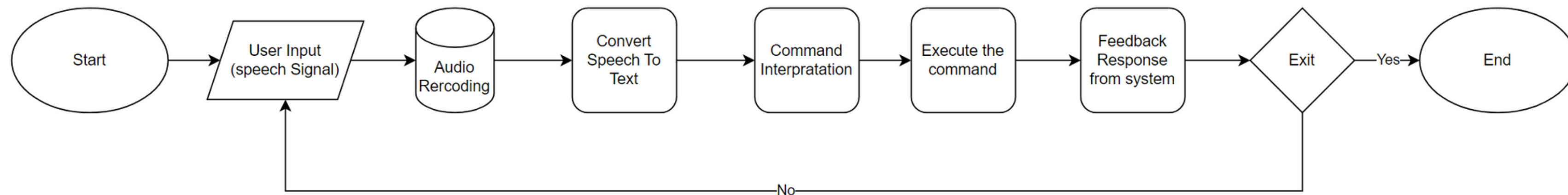
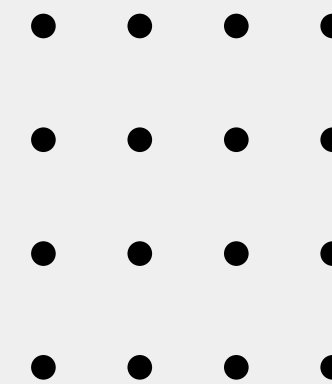
Justin - Kevin - Jason - Rayes

Overview

Speech Recognition for Personal Items and Furniture bertujuan untuk mengeksplorasi integrasi teknologi speech recognition ke dalam benda-benda sehari-hari yang bertujuan untuk memberikan layanan yang lebih mudah diakses dan nyaman bagi para pengguna



Methodology - Product Flow



Product Flow

User input

User memberikan perintah berupa audio kepada module

Audio input

Module akan menangkap input / perintah dari user

Speech Recognition

Input yang diterima akan ditafsirkan oleh module menjadi text

Command interpretation

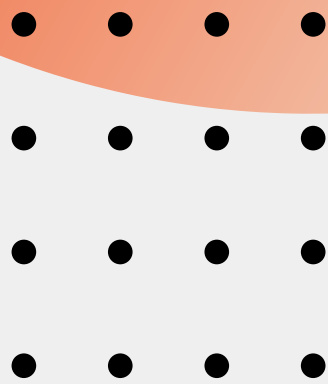
Sistem menafsirkan perintah yang diberikan user

Execute the command

Sistem melaksanakan perintah yang diberikan user

Feedback form the system

Sistem memberikan feedback kepada user





Result

**System
response**

**System
Executing**

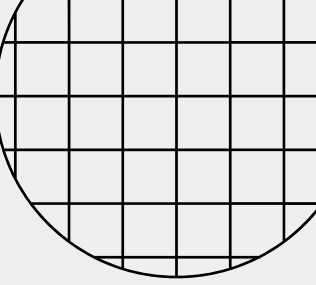
**Error
message**

If the system cant
recognize the input

```
Waiting and Listening
You said: okay hello
hello hello.
Waiting and Listening
You said: okay hello
hello.
Waiting and Listening
You said: okay open YouTube
Opening YouTube
Waiting and Listening
Error: Unable to understand the audio
Waiting and Listening
You said: okay search Albert Einstein
Searching ['Albert', 'Einstein'] on Google
Waiting and Listening
You said: PewDiePie
Waiting and Listening
You said: okay YouTube PewDiePie
Opening ['PewDiePie'] on YouTube
Waiting and Listening
You said: okay lights on
Lights on
Waiting and Listening
Error: Unable to understand the audio
Waiting and Listening
You said: okay lights off
Lights off
Waiting and Listening
Error: Unable to understand the audio
Waiting and Listening
You said: okay you can stop now
```

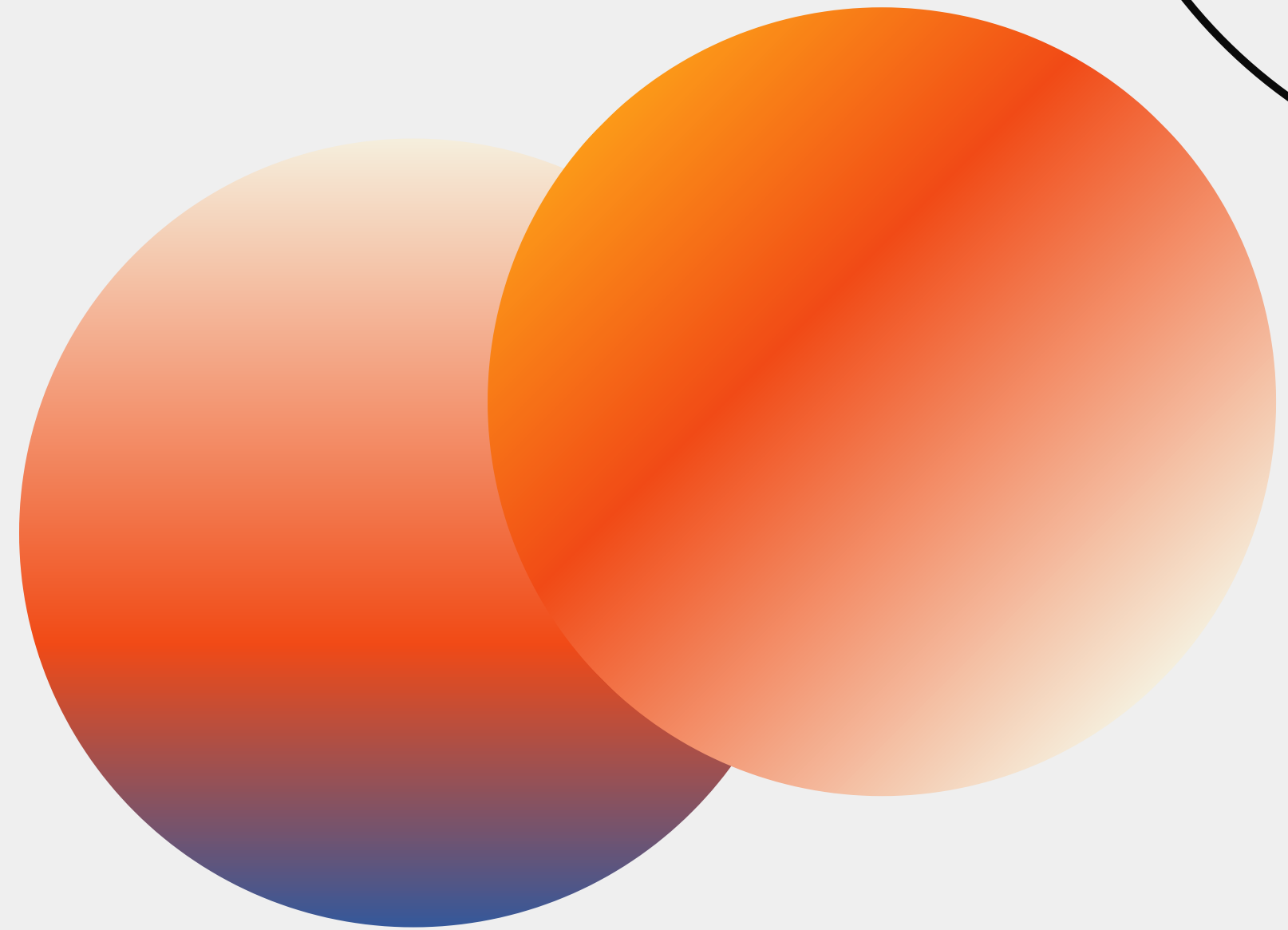
**Waiting
for User
Input**

User Input
with 'okay' or 'ok' as
a wake word



Conclusion

Speech recognition for personal items dan furniture dapat mempermudah kita untuk mengeksekusi suatu tindakan dengan hanya memerintahkan. Dengan model library speech recognition dengan Google Speech API, program dapat mengeksekusi sesuai dengan perintah yang kita buat.



End

Thank you

