



YouTube Music Fusion

Multimodal Interaction
17-01-2025

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How the application responds to the user input

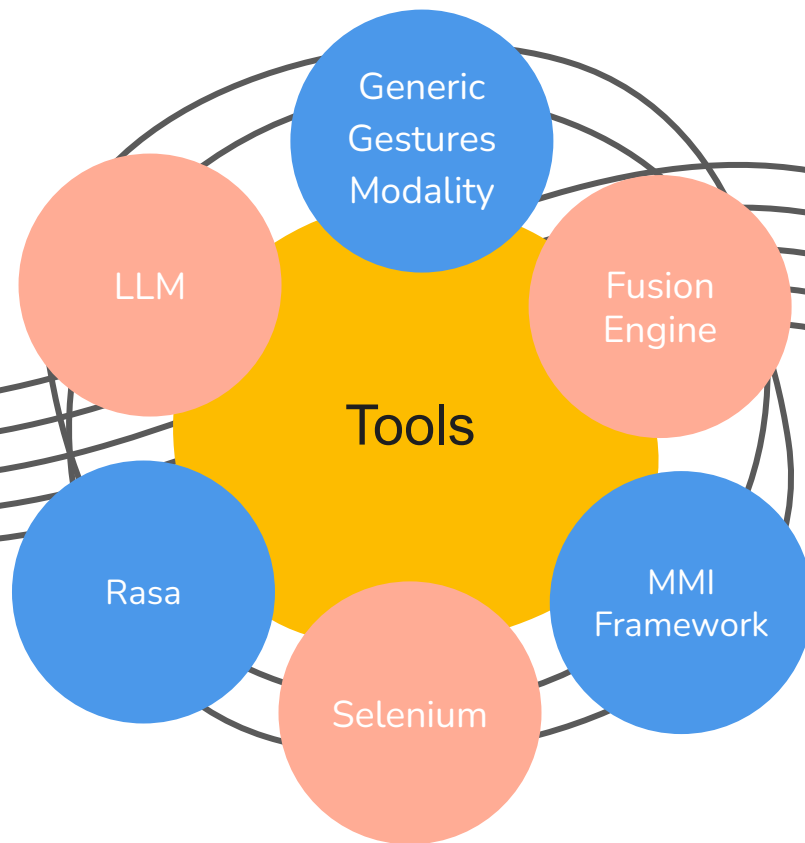




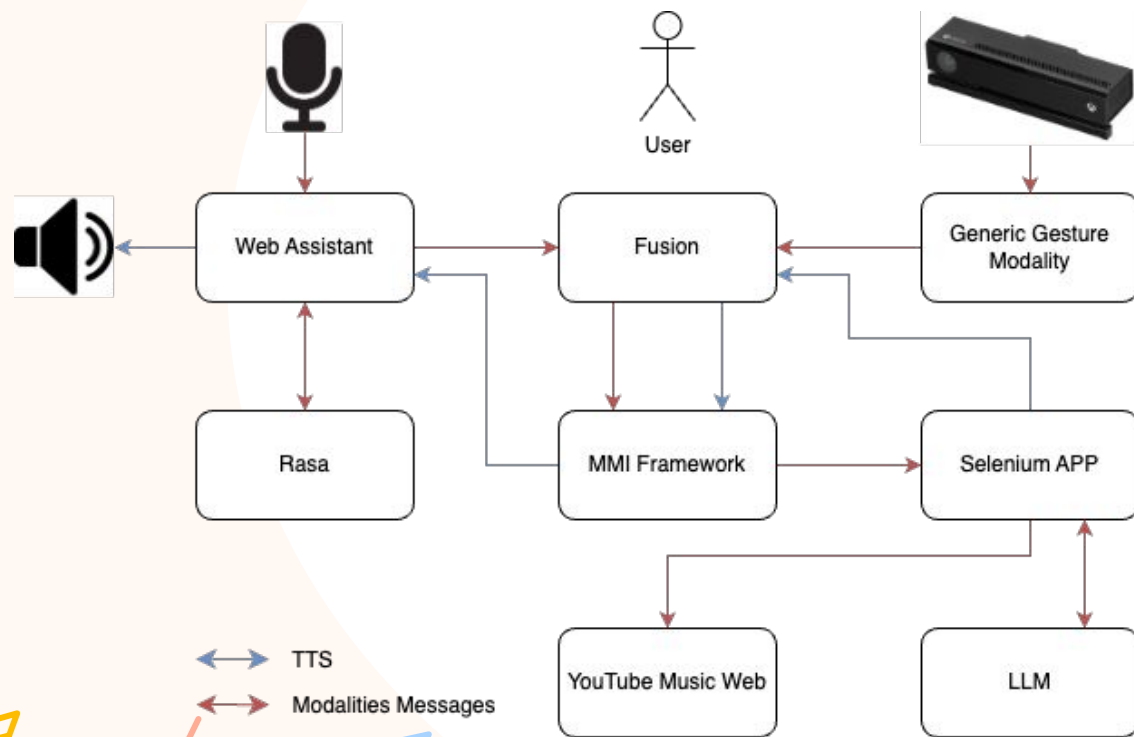
Scenario

- Joãozinho decides to search for a music by its lyrics. He uses this application for that purpose.

Implementation



Architecture



Complementary

Help Search Music

Ask for a specific topic

- Gesture: SCRATCH HEAD
- Speak: “Preciso de ajuda em pesquisar música”

Volume UP

Increases to a specific volume

- Gesture: EAR HAND
- Speak: “Aumenta em 30”

Complementary

Pause

Pause the music

- Gesture: PUSH
- Speak: “Pausa a música”

Play

Resume the music

- Gesture: PUSH
- Speak: “Retoma a música que estava a tocar”

Select

Select the music

- Gesture: PUSH
- Speak: “Quero esta”

Complementary



Quit

Close the application:

- Gesture: ARMS X
- Speak: “Quero sair”

Redundancy



Next Track

Skip to next track

- Gestures: MOVE RIGHT
- Speak: “Próxima música”

Previous Track

Return to previous track

- Gestures: MOVE LEFT
- Speak: “Música anterior”

Single

Unmute Music

Unmute music

- Gestures: Hand on left ear

Open Explore Tab

Open explore tab

- Gestures: Scratch Head with right hand

Single

Navigate Down

Move down in search list

- Right hand point down

Navigate Up

Move up in search list

- Right hand point up

Single



**Volume
Down**

Volume Down

- Speak: “A música está muito alta”

**Reduce
Volume**

Reduce volume temporarily

- Gestures: CLOSE RIGHT HAND
 - Speak: “Olá youtube”
- 

Voice Feedback

To give information to the user of what is happening in the application or to signal illegal requests.

Visual Feedback

To give information to the user of what is happening in the application while he is navigating through menus, showing a red highlight



The slide features a light beige background with a large white circle in the center. In the top right and bottom left corners, there are decorative elements consisting of black musical staff lines with colorful notes (blue, orange, yellow) and a blue treble clef. The word "Thanks!" is written in a large, bold, dark grey sans-serif font within the white circle.

Thanks!

Do you have any questions?

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