



# YouTube Music Gestures

Multimodal Interaction  
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How the application responds to the user input

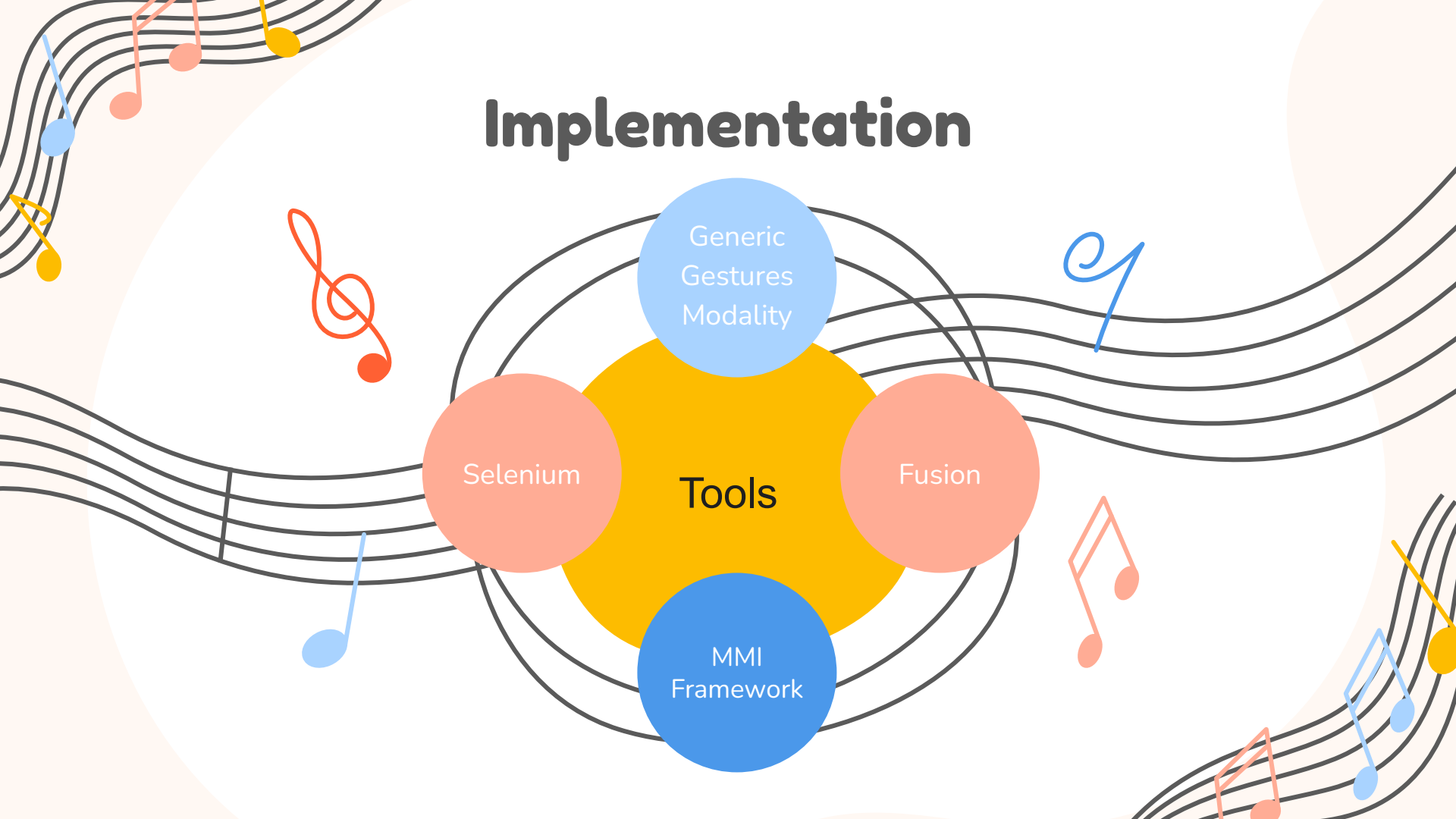




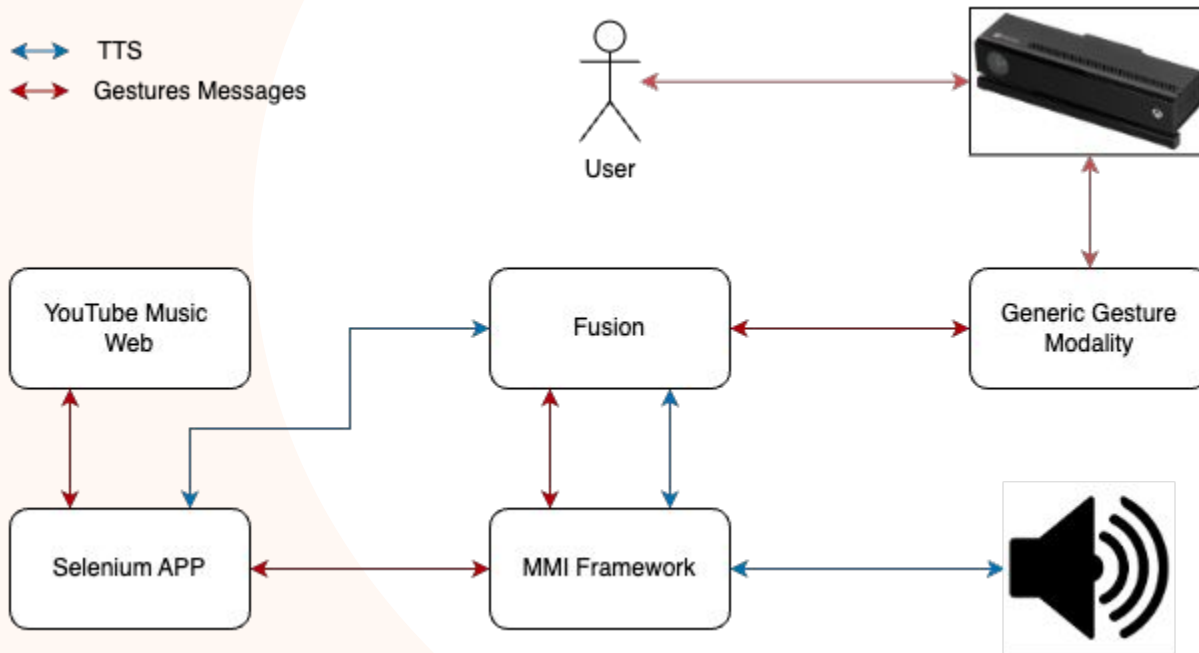
# Scenario

- Choose musics in a party

# Implementation



# Architecture



# Gestures

**Arms X**

- Close the application
- Confirm closing the application

**Scratch  
Head**

- Open the explore tab

# Gestures

**Ear**  
**Left Hand**

- Turn on the sound

**“Shiu”**  
**Right Hand**

- Turn off the sound

# Gestures

**Point Up  
Left Hand**

- Scroll up

**Point Down  
Left Hand**

- Scroll down



# Gestures

**Point Up  
Right Hand**

- Move cursor up

**Point Down  
Right Hand**

- Move cursor down

# Gestures

## Point Right Right Hand

- Move cursor right
- Go to next song

## Point Left Right Hand

- Move cursor left
- Go to previous song

# Gestures

**Push  
Right Hand**

- Select music
- Pause
- Play

# Challenges

- Exclude some body parts
- Movements in opposite directions
- Gesture reuse
- Control variables



# 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?

A faint, light grey watermark of the Facebook logo is visible in the center of the white circle, positioned above the credits text.

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