

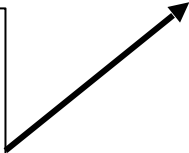
Implementation Plan

**May use MP3's speech  
recognition instead of  
Google Cloud Speech API**



**A classification model  
mapping  
 $\{T, G\} \rightarrow \text{system command}$**

**T = transcript  
G = gesture**



**Custom wrapper  
over Google  
Slides API**

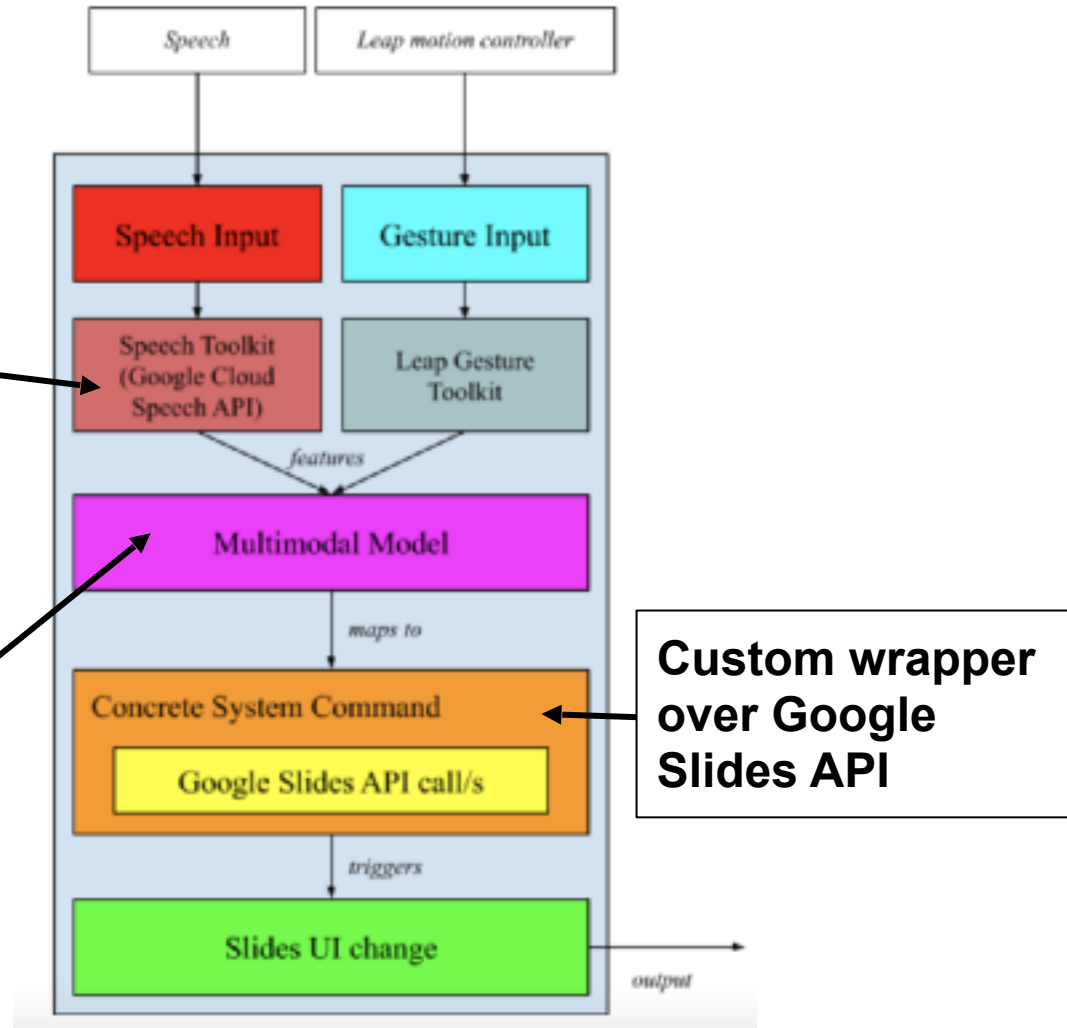


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# Evaluation

The system will be tested by us and 3 naive users in a variety of classrooms

## Quantitative

Goal: > 80 % accuracy

Accuracy =  
$$\frac{(2 * \text{precision} * \text{recall})}{(\text{precision} + \text{recall})}$$

Latency: reaction < 1 sec

## Qualitative

User surveys

- Gesture and speech intuitiveness
- General feedback