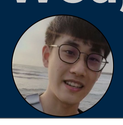
# WorldScribe: Towards Context-Aware Live Visual Descriptions

UIST PITTSBURGH | 2024

Wed, 16 Oct | 3:50 PM - 4:05 PM. Location: Allegheny 2.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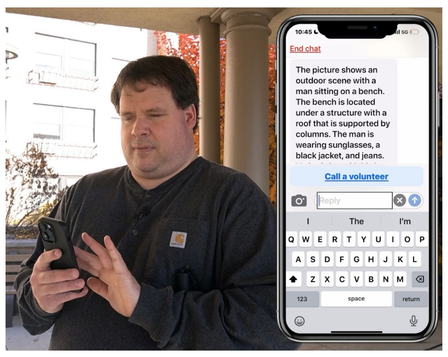
## Motivation

### AI models

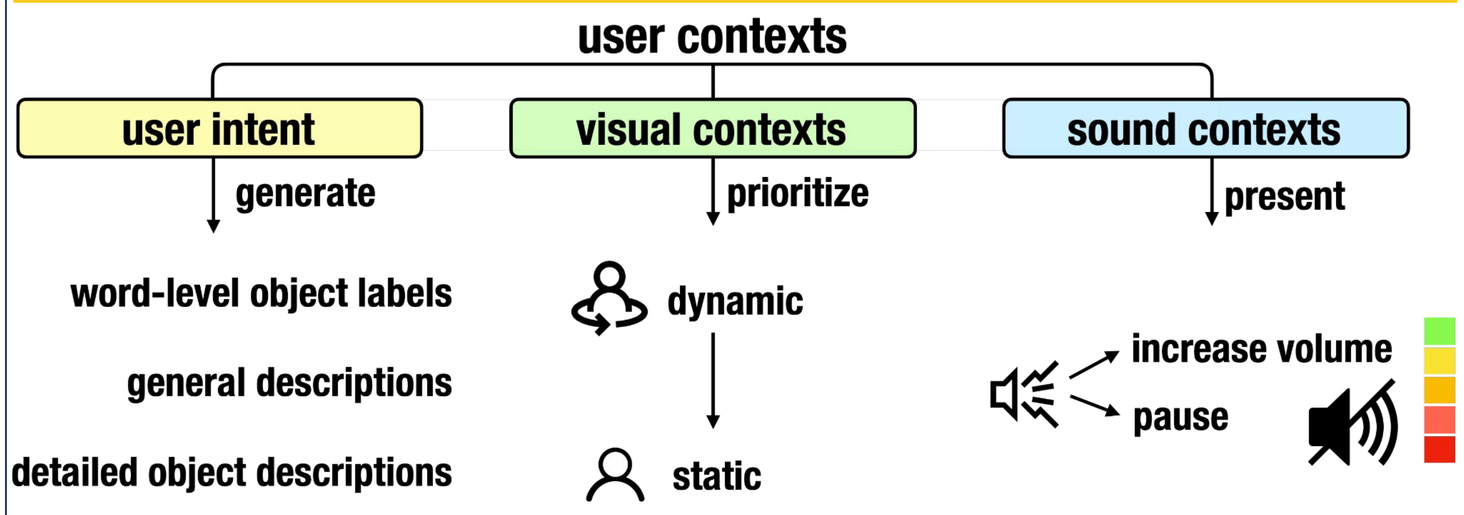



asynchronous
one-size-fits-all

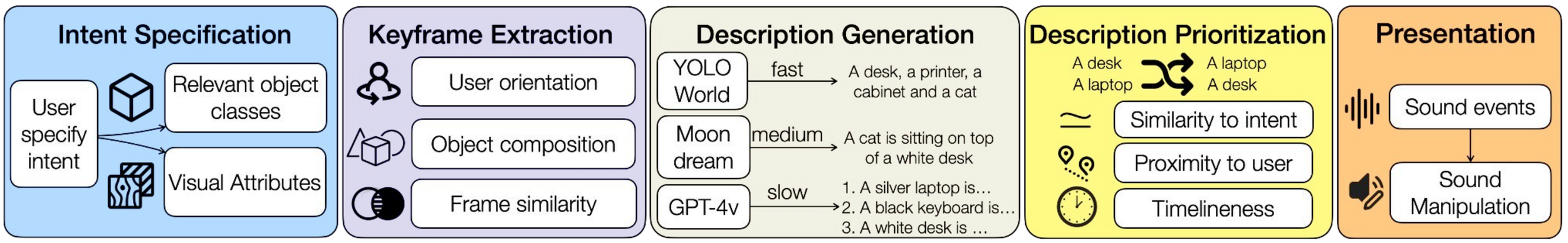
### Sighted assistance

not always available
expensive

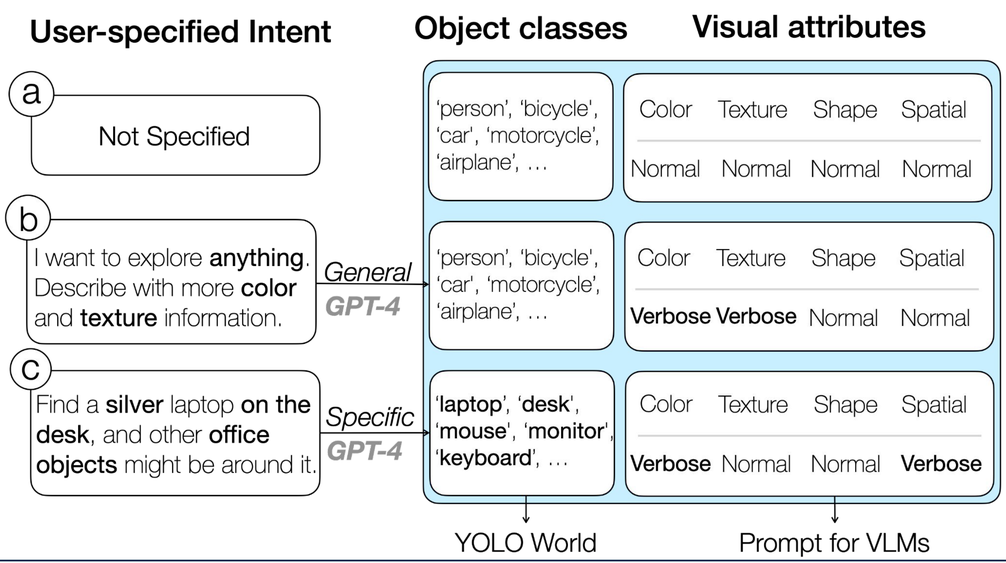
## System Contribution



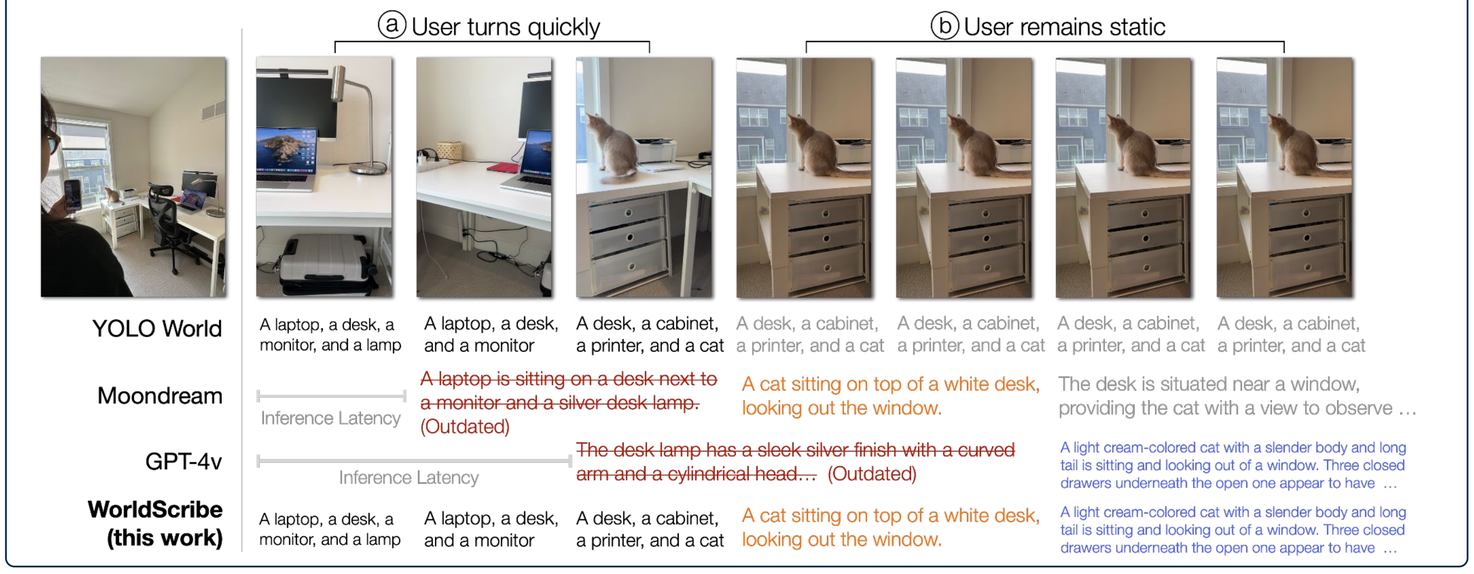

## WorldScribe Components



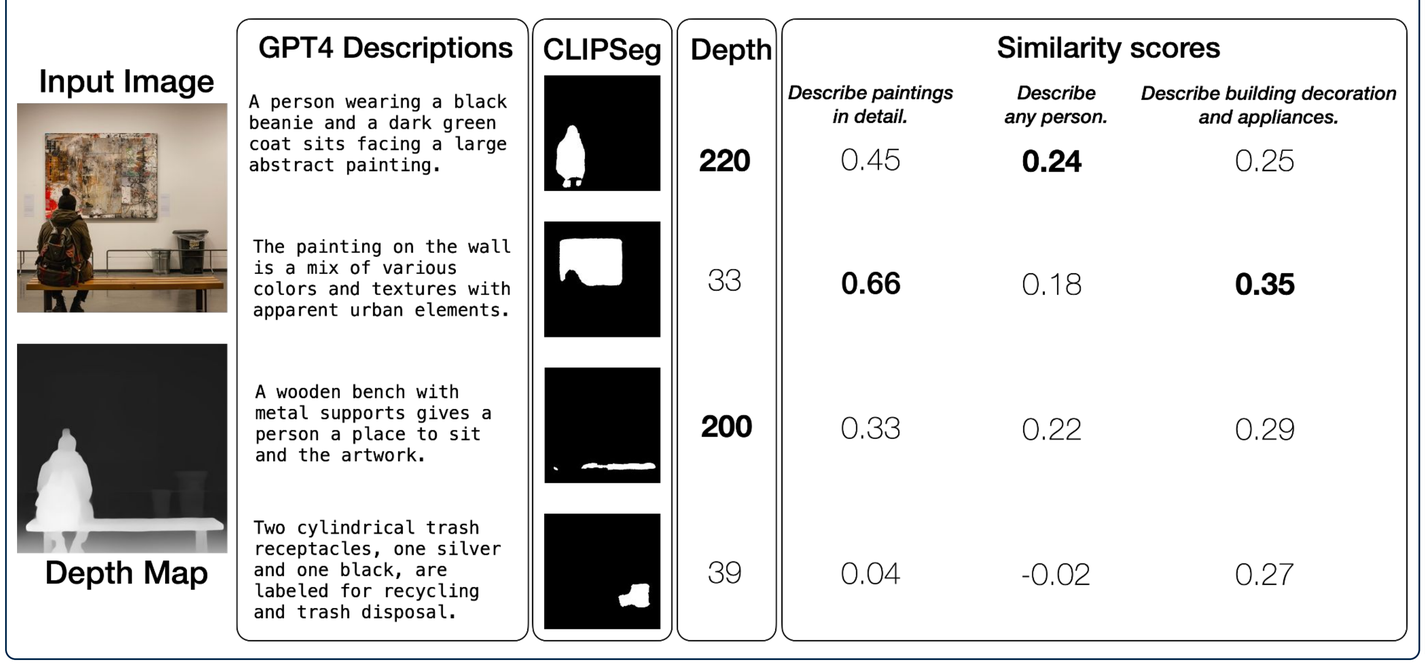

## Intent Specification



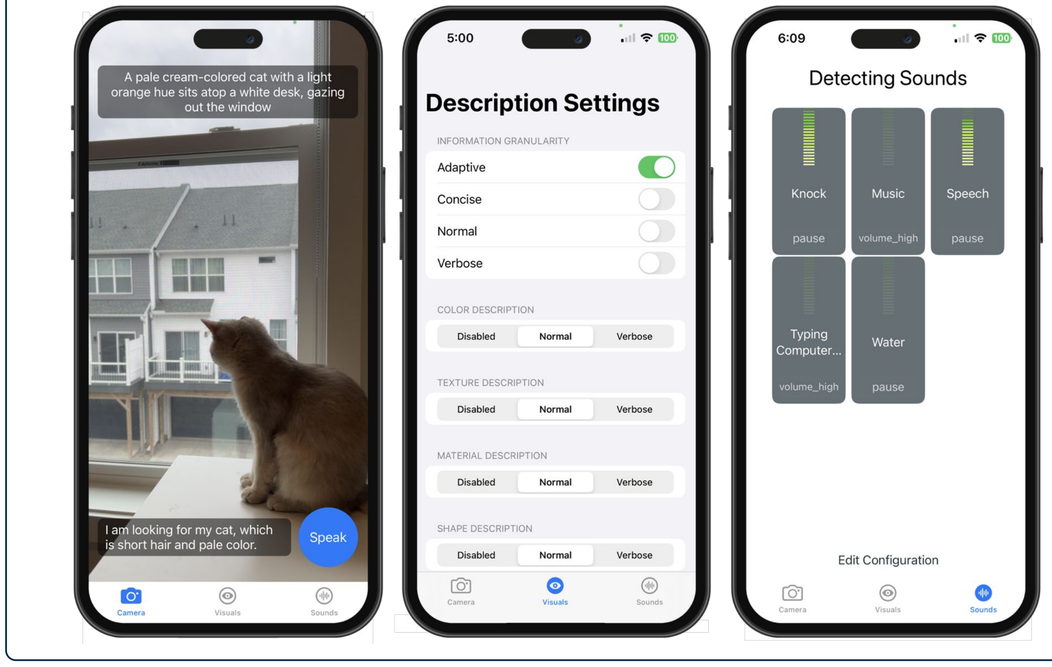

## Description Generation




## Description Prioritization




## Customization Interface




## User Evaluation and Future Work

- Participants perceived WorldScribe descriptions to be accurate based on the **contextual clues they ascertained**.
- Participants found WorldScribe descriptions **useful with adaptive and customized visual information.**
- Adding **long-term memory** and **learning user intent** on the fly (e.g., revisited place, visual changes).
- Evaluating **the utility of descriptions** based on different contexts (e.g., responsiveness, timeliness, detailedness).
- Directions with rapid evolution of future large models (e.g., dynamic prompting based on user context).

https://worldscribe.org/