GL/ISS TODO

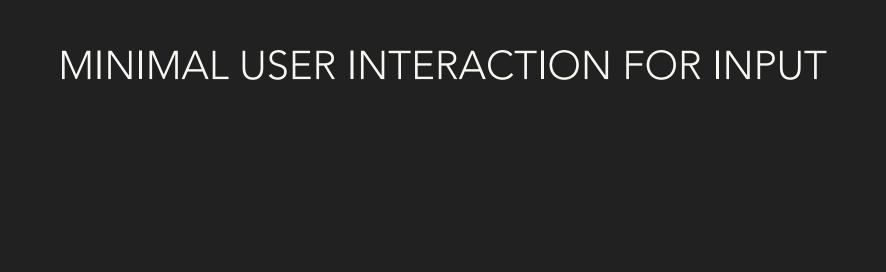
ASHWINI . DEEP . VARSHA

AN EASILY ACCESSIBLE SYSTEM TO CAPTURE NOTES WHILE BEING IN A CONVERSATION WITHOUT INTERRUPTING IT

DESIGN GOALS

MINIMAL USER INTERACTION FOR INPUT EASY-TO-DO UPDATES

VIDEO





OK GLASS TODO TASK

BUY MILK

1

2

3

4



OK GLASS



BUY MILK

IMPLEMENTATION

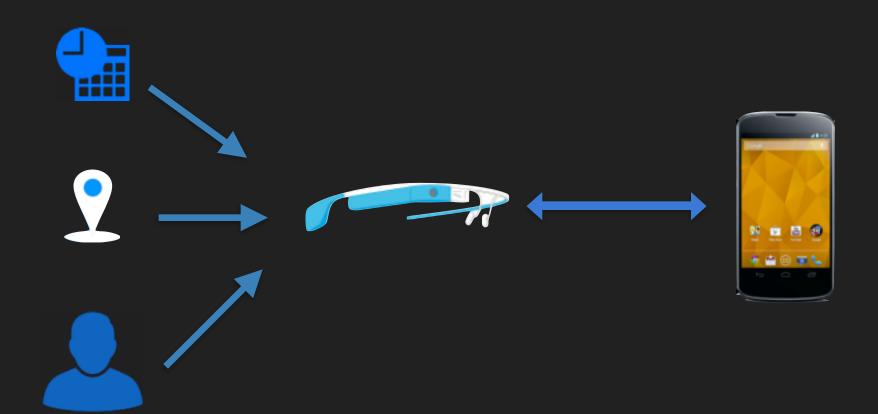
Bypassing "Ok Glass" by running service in background

Listener only captured voice commands relevant to view in focus

Couldn't define custom "hot word"

Override "OK Glass" to trigger voice input for ToDo

EASY-TO-DO UPDATES

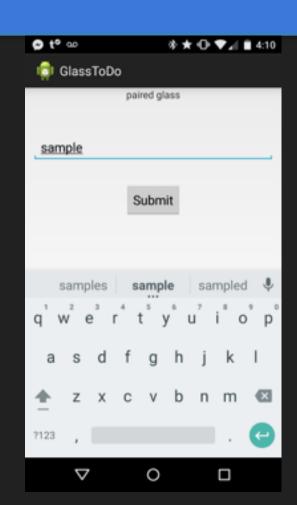


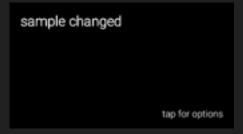
IMPLEMENTATION

Communication through Bluetooth RFCOMM server

No internet connectivity required

Easier to rework using mobile keyboard





USER STUDIES

EVALUATION GOALS

Evaluate user input interaction techniques

Ease of access

Intrusiveness levels

Compare between

Existing note taking applications

Quick ToDo on Glass

ToDo on Glass

Is reworking on task a required feature and potential ways to enhance it?

DEMOGRAPHY



| Pa | rti | ci | р | ar | its |
|----|-----|----|---|----|-----|
| | | | | | |

Average Age

Experience with Glass

Education

Vision

Glass Usage

Exception

9

23

0 to 3 times

to 5 times

Corrected Vision using Glasses

MS/PhD (CS, ECE & Chemical) at Tech

On top of normal glasses (7)
Standalone (2)

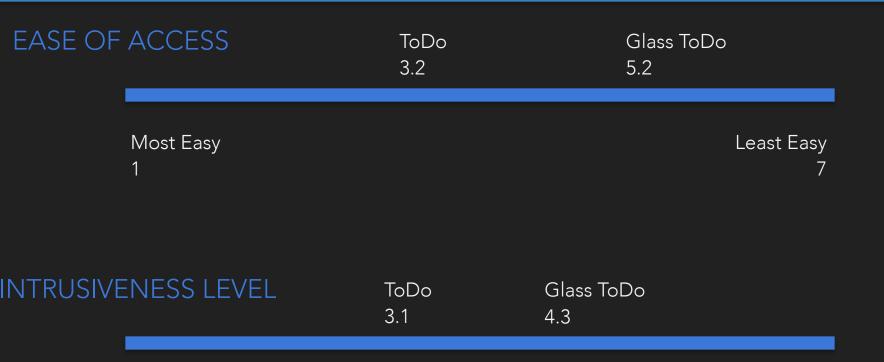
One participant used My Glass screencast

METHODS

Pre-Test Semi-Structured Interviews

Post-Test Surveys

FINDINGS - QUANTITATIVE DATA



Least Distractive Most Distractive

1

FINDINGS - QUALITATIVE DATA - INTERACTION

Situation

Number of notes and the description length e.g. grocery list versus email id Whom you are conversing with e.g. friend versus professor

Perspective

Typing - Rude to interrupt the other person while taking Speech - Less effort

Human Senses

Google Glass - Vision, Vocal and Hands

Typing - Part Vision and Hands.

FINDINGS - QUALITATIVE DATA - REWORK/UPDATES

Possibility of reworking on captured notes is minimal

Rework might become easy if metadata like meeting, friendly location name, people or time is captured

QUOTES

"Getting familiarized to Glass takes time"

"Writing while talking is way-way less intrusive than talking while talking"

"Capture notes by directly recording other speaker's voice"

"Glass should be modified to fit on existing spectacles"

"Unstructured data should be captured"

"An imaginary keyboard should be projected from Glass"

QUESTIONS

GL/ISS TODO

THANK YOU

ASHWINI . DEEP . VARSHA