

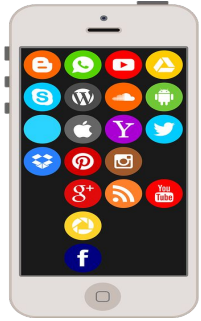
Voice Assistant in Healthcare for Elderly People



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Motivation



Difficult for elderly



Long queue at the hospital

Motivation

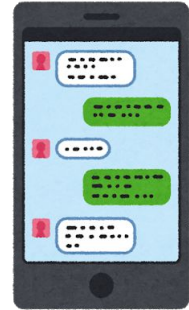
- Easy for elderly
- Reduce hospital waiting queue



Related works

Chatbot

- A Chatbot System for Mental Healthcare Based on SAT Counseling Method



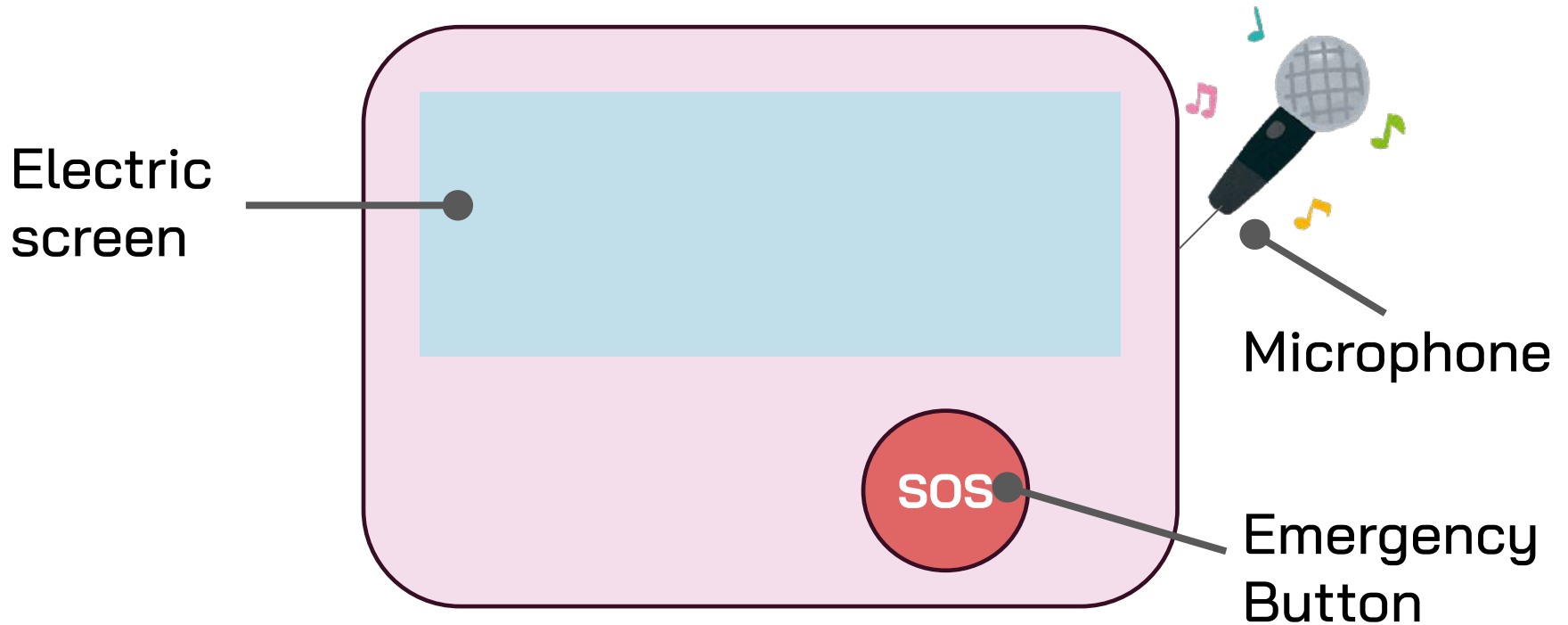
Online Schedule

- The Acceptance of Online Booking System (OBS) Based on the Theory of Reasoned Action(TRA): A Case of Sana'a University



Proposal

“Voice assistant”



Proposal - Workflow

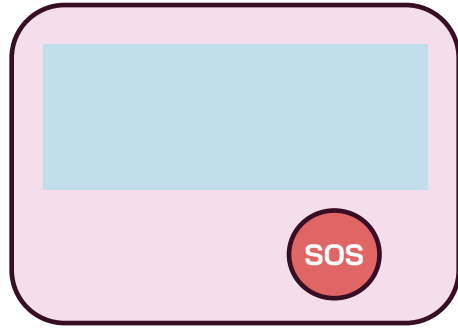


Patient
(especially elderly)

Voice



Voice



Device

Internet

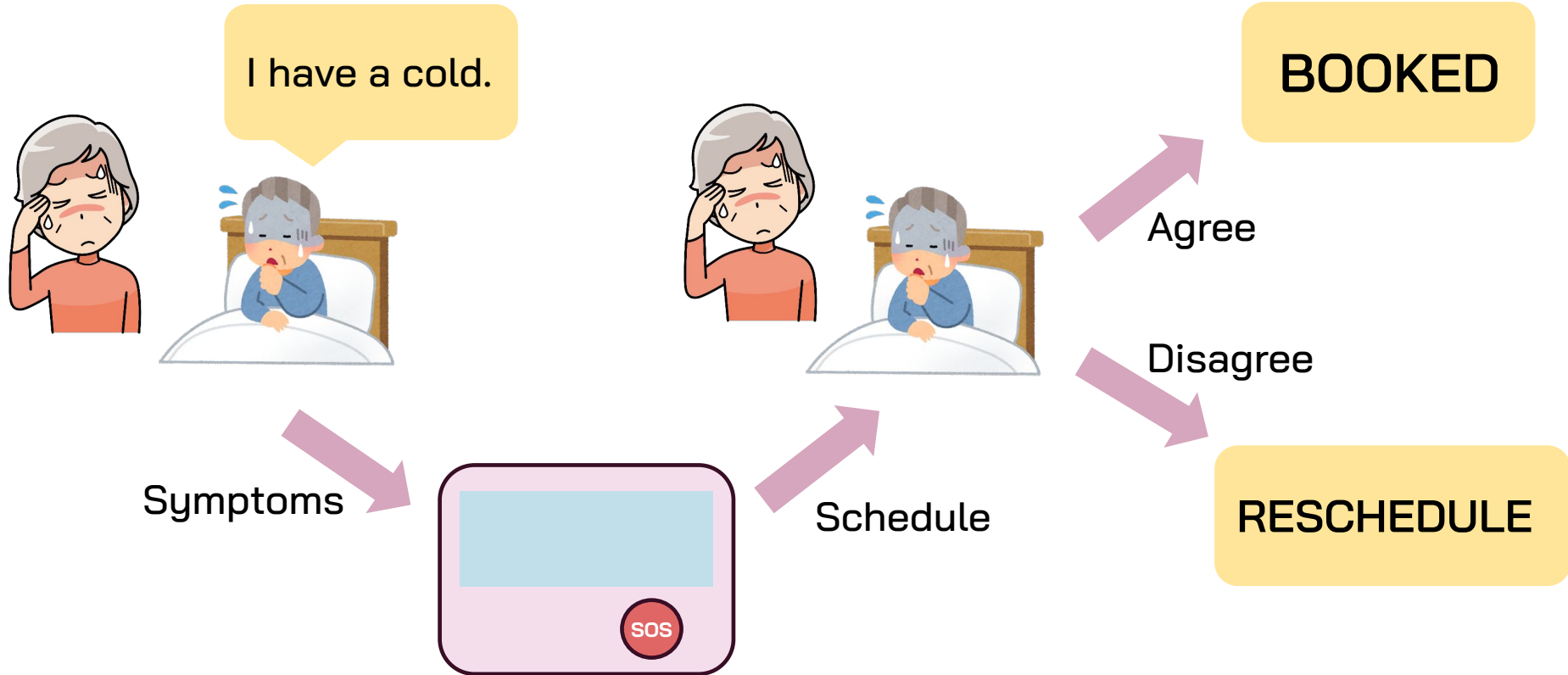


Internet



Hospital

Proposal - Workflow



Proposal - Workflow



Hello

I am sick

Yes

That sounds good

Hi! How are you?

Do you have a cough?

How about ABC hospital at 3pm today?

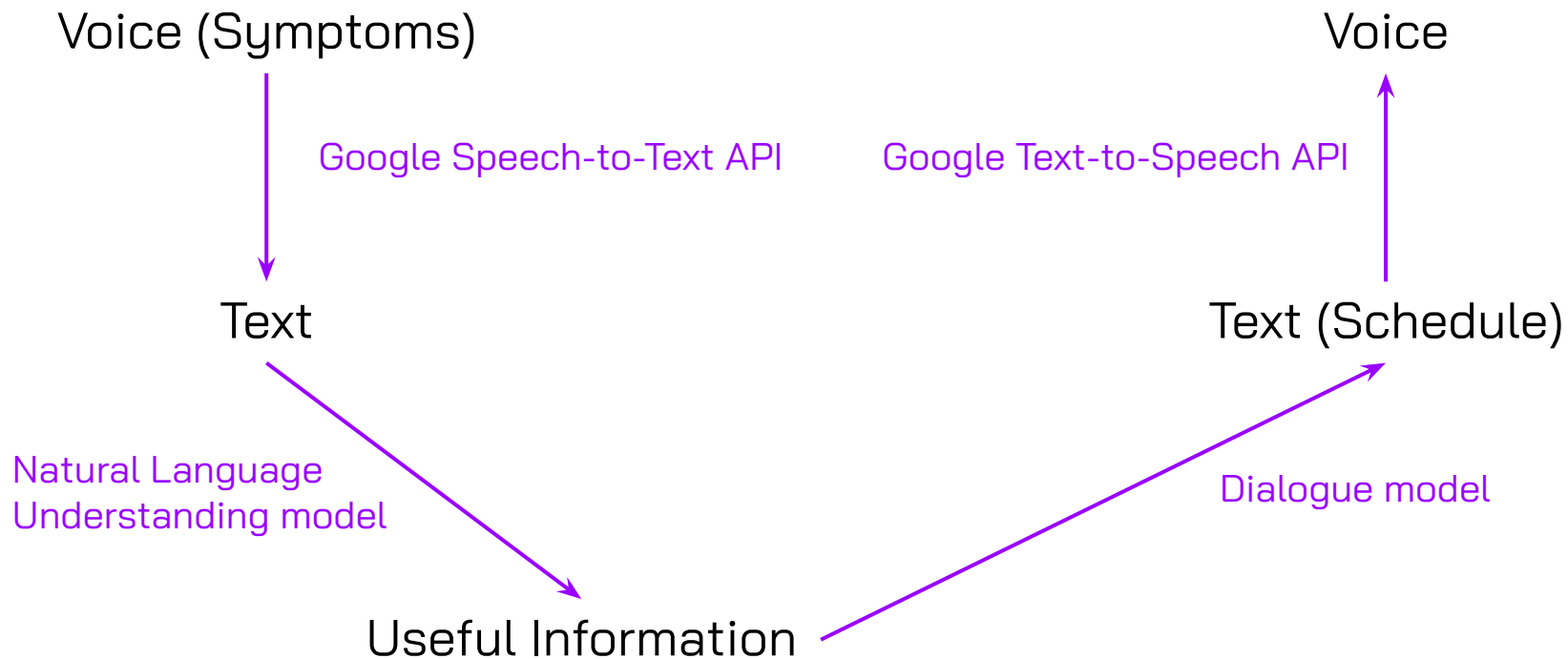
OK. Hope you will get better.



Implementation



Implementation



Demo

Discussion

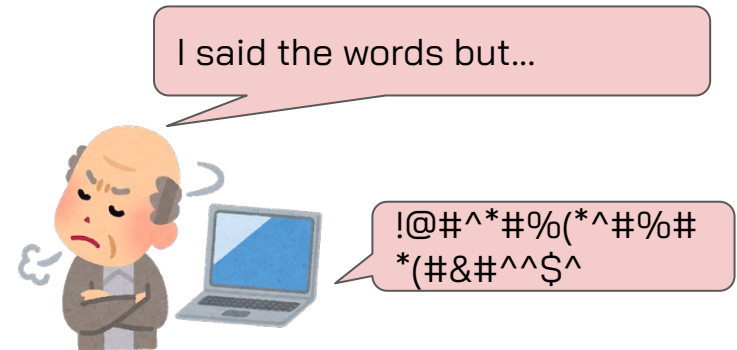
Advantages

- Convenient for elderly.
- In emergency , call ambulance easier.



Disadvantages

- The device is slow.
- Unreadable by pronunciation



Future works

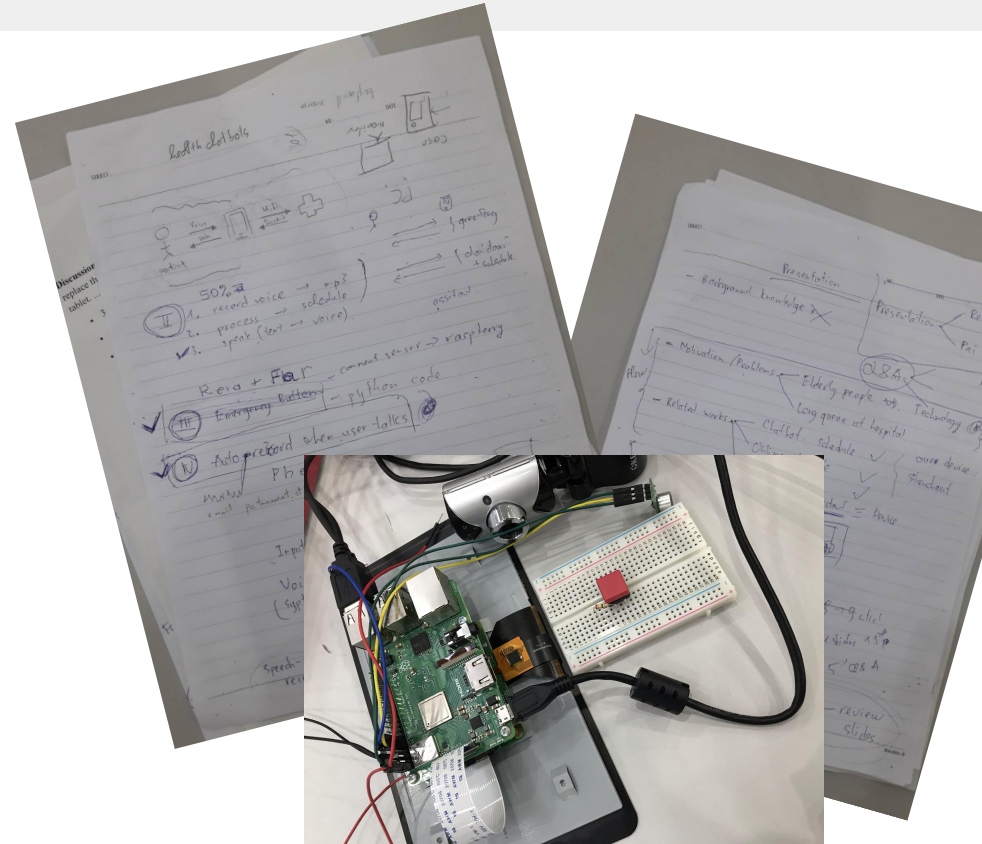


Make our device

- Speedy
- Health advice
- GPS
- Smaller (device miniaturization)
- Wearable for the elderly people
- Waterproof

Process of gPBL

- Day1(03/09/19)
- Discussion about the topic
 - Finding the problems
 - Selecting the best solution
- Day2(04/09/19)
- Selecting the equipment
 - Starting to make a device
 - Coding
- Day3(05/09/19)
- Continue to make a device
 - Coding
 - Starting to make a presentation
- Day4(06/09/19)
- Coding
 - Demonstration
 - Make and practice presentation



Thank you for listening

