



# Home Alone

Scheduling solution for home-alone child utilizing AI/ML



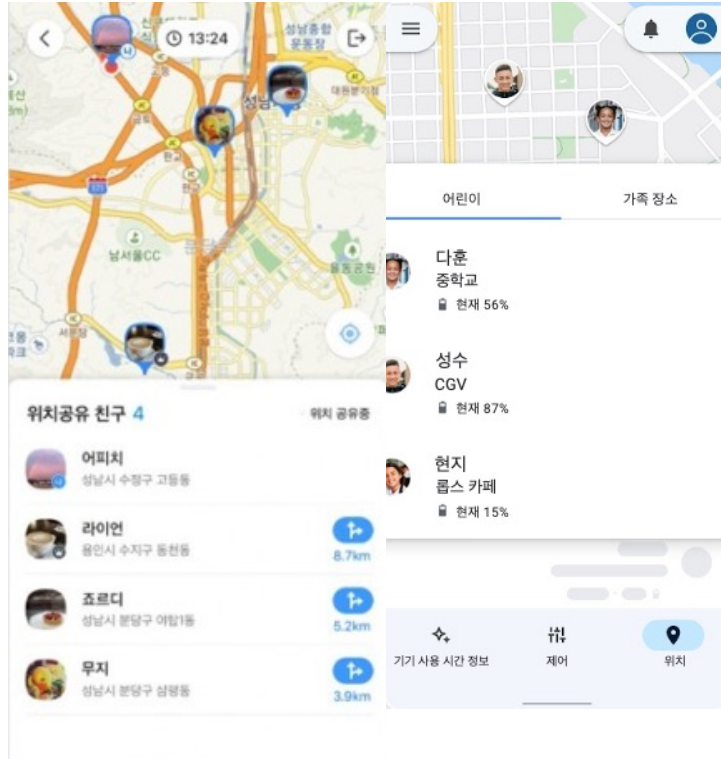
declination of birth rate



dual income family growth

**➡ child care has been major issue.**

## PROBLEM STATEMENT



Keeping track of the child`s location at home is unavailable



**How to Help Your Kids Follow a Schedule**

SPECIAL ED  
RESOURCE.COM

Schedule control cannot be done by parents 100%

## Requirements& Specification



### **Login**

used for identification

pressing the button → page will connect to Google Account



### **Main page**

showing kid`s current status

showing kid`s current schedule

- the time remaining until the most immediate schedule
- place where schedule is taken
- the starting time of the next event



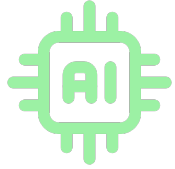
### **Schedule managing page**

Schedule add button

- add schedule (containing values of title, timestamp, location )

Schedule table

- modify (modify pop-up button )
- delete button (clicking the delete button → pop-up message )



### **Detect Child's pose**

service detects child`s current pose in three states:

laying, sitting, standing



### **Location detector**

find location in the house whether kid is in the house or not

- cannot pinpoint its direct location but sort of info

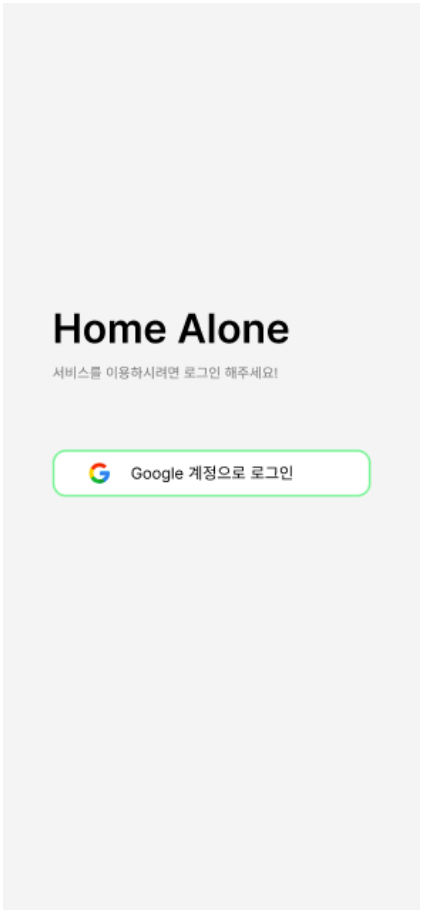


### **LG vacuum cleaner**

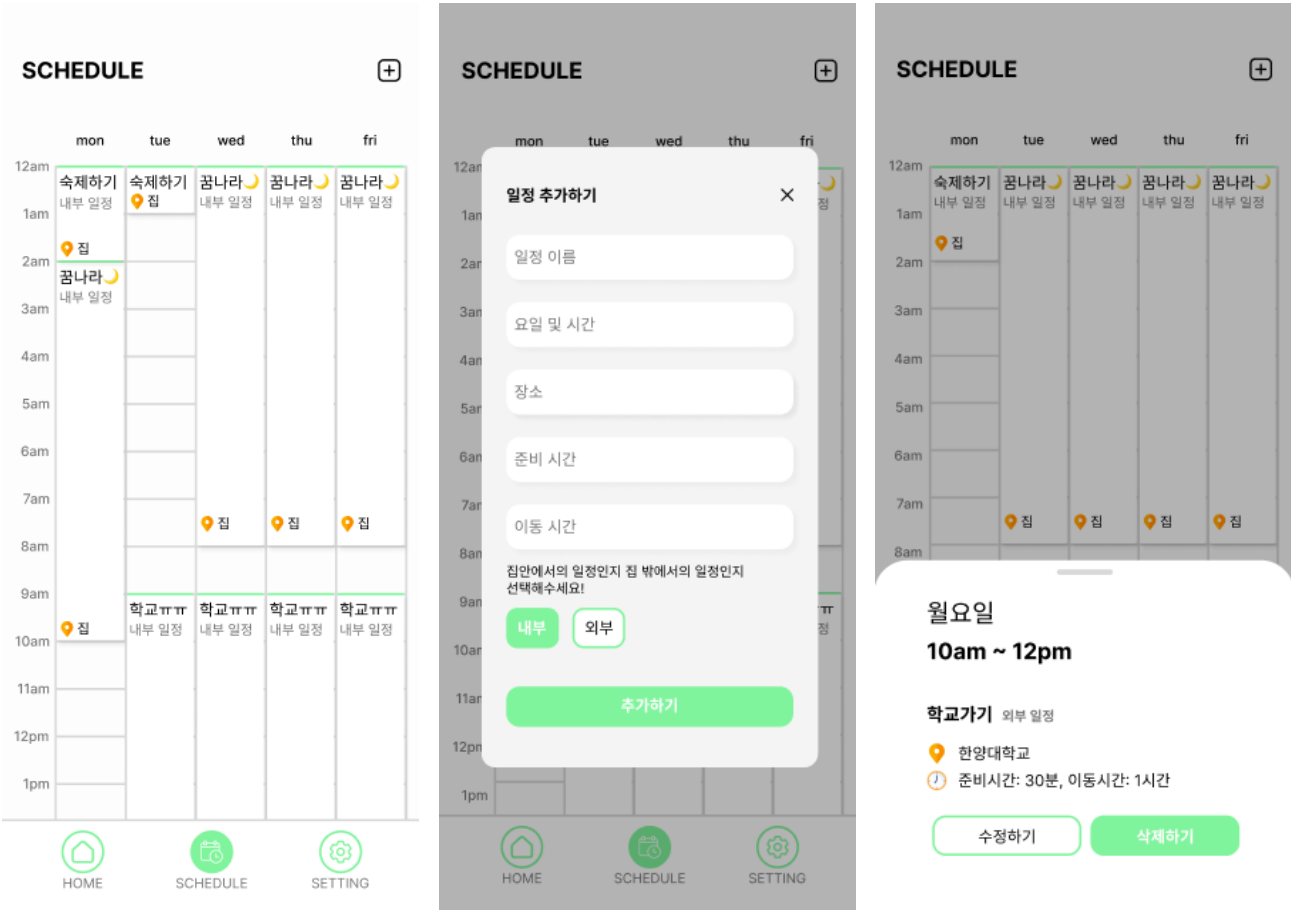
➡ 5 photos, detecting state(whether he is sleeping

➡ face detectopn, precise dection for the object really he is the kid

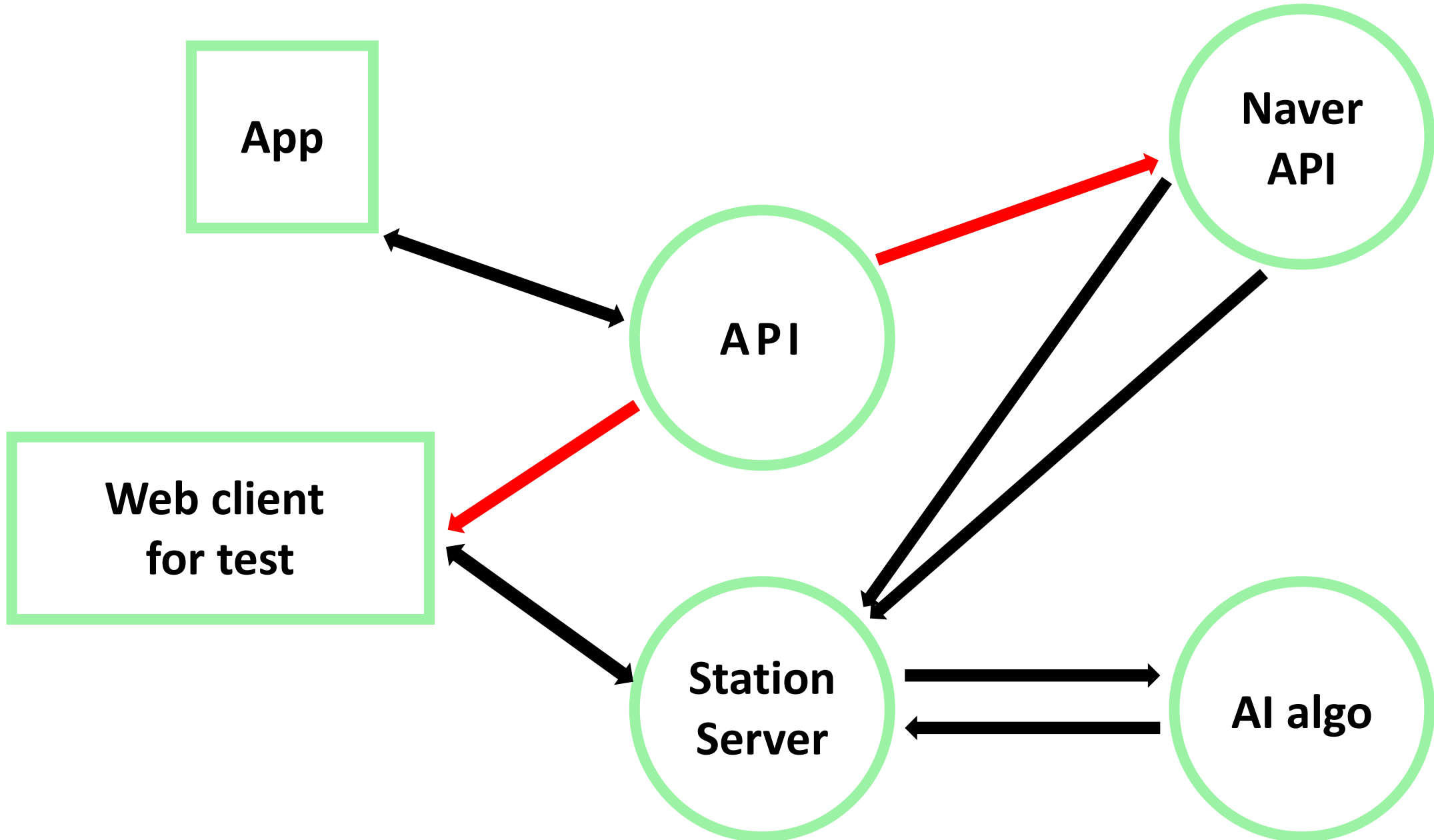
PROGRESS ( Front end )



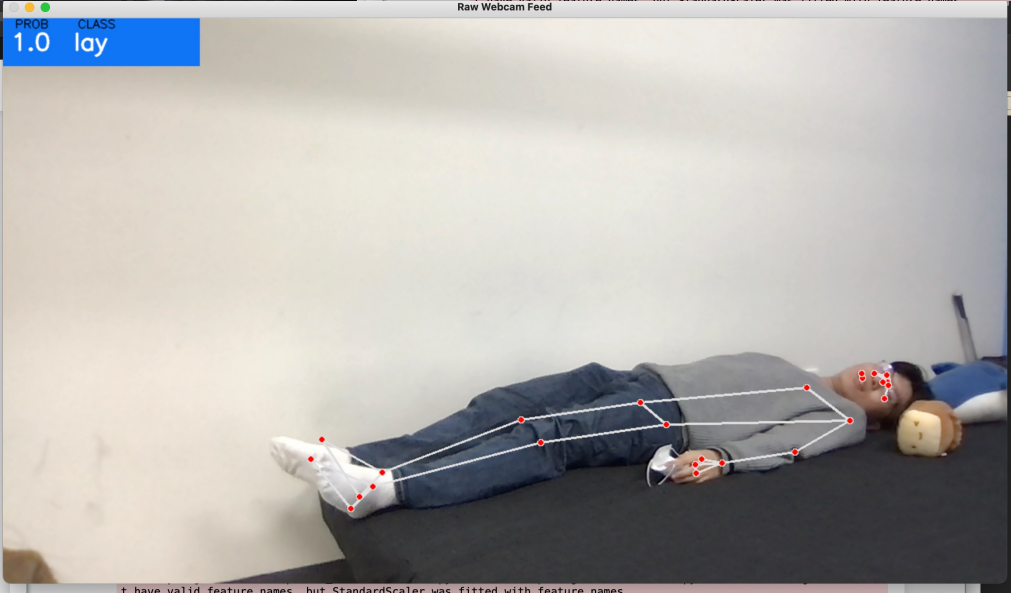
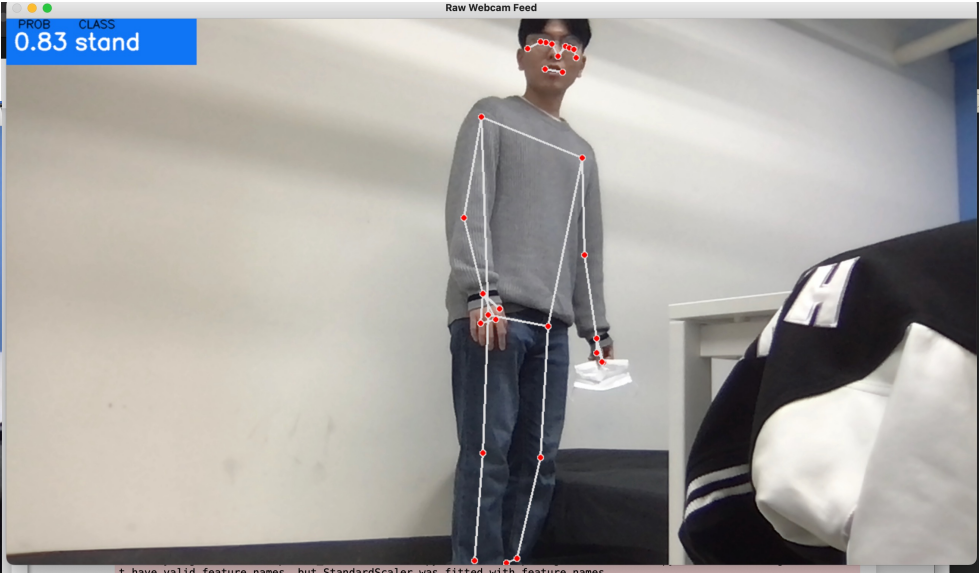
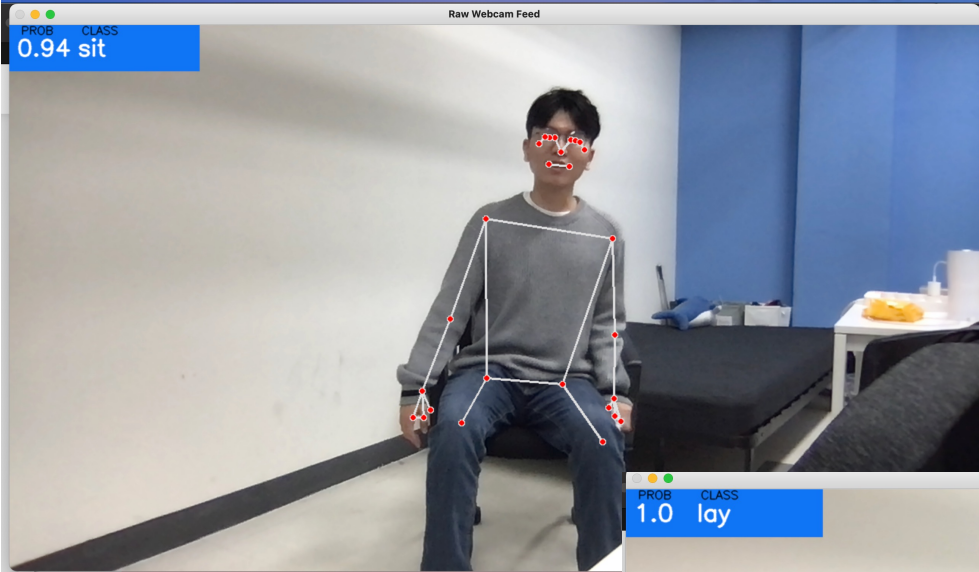
Login with google



show schedule table from database



PROGRESS ( AI )





## NEXT PLAN

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### **Front end**

Communicate with API server, last logic completed

### **Back end**

Completion of the other module,  
communication between station server and API server

### **AI**

Complete FACE DETECTION

11 / 25

12 / 02

### **Back end**

Development of AI Speaker SDK

### **Document**

create document in latex  
Blog update

### **Presentation**

Directionalizing for Demo Day