2023-1-18 First meeting

What needs to be addressed:

1. smart mattress/medical related

Early bedtime reminder:

MQTT IoT device

Mobile App Complete the sleep task/early bedtime task every day, and an additional animal is issued in the circle of the mobile app. If the phone exits the software, no animal will be issued today. -(Animal Samaritan)

Social-Sleep punch card (collaborative social)

Sensors:

1. body temperature monitoring (temperature sensor)

2. sleep quality monitoring (heart rate/blood oxygen photoelectric sensor + interruption).

3. Sleep position (flat sleep, left side sleep, right side sleep, sleeping on the stomach. via camera + neural network)

4. Microphone recording (recording the moment of snoring to satisfy the user's curiosity)

Actuators:

1. Timed sleep time, abnormal body state｜(buzzer|vibration motor｜light)

2.Speak speaker Play song

Branch:

Master

Dev(

Name:

SleepPanda (Panda Sleep)

Division of work:

1.C++ code development / Linux driver development

2.Testing = collecting test results

3.Publicity/PPT/presation

4.Project management / documentation / Github maintenance & version control

1&2=Code direction

↕️ communication

3&4=Product

Tasks (by Wednesday).

1. github book 61 read through once

2. learn the syntax of Readme

3. install software, three see github readme

4. get familiar with the C syntax