

Project Proposal

Smart Homepany : Customize your workplace

Team 1

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OVERVIEW

01. Background

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01

Background

: Increasing Home Workers

Telecommuters



Creators



Freelancers

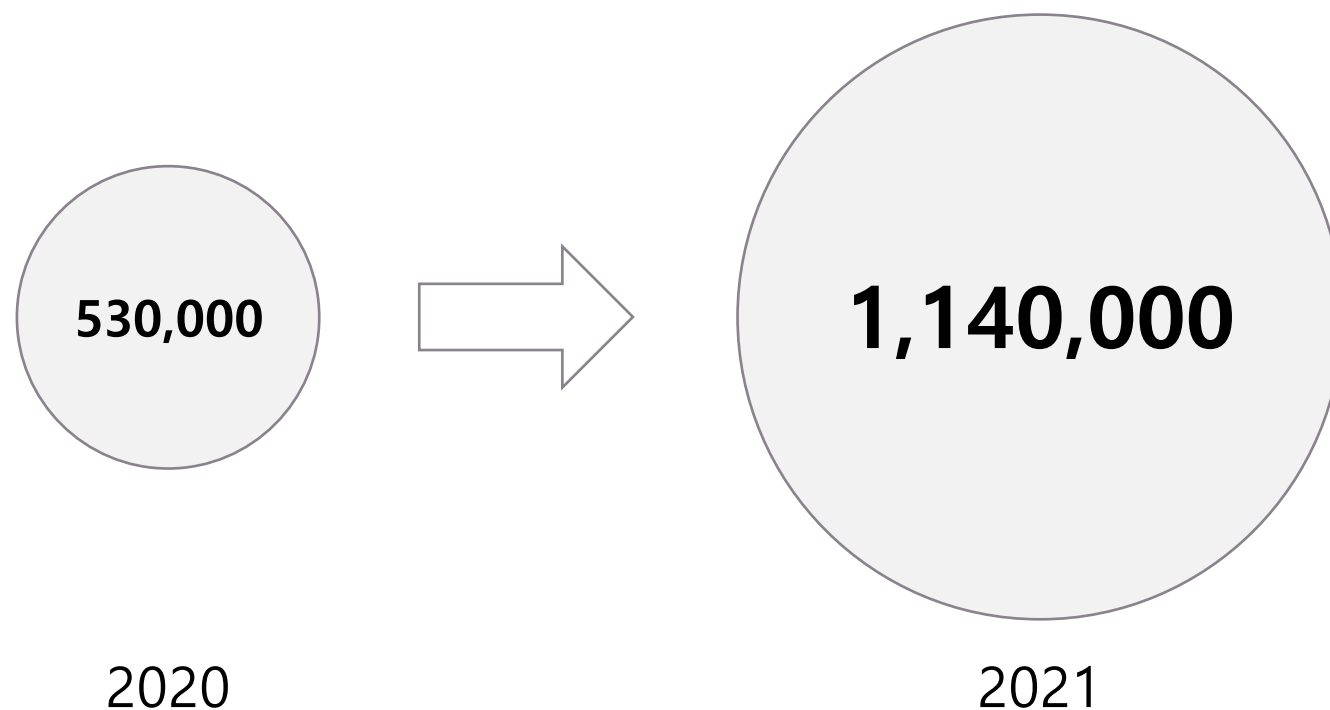


01

Background

: Increasing Home Workers

Number of Home Workers ^[1]



[1] Supplementary Results of the Economically Active Population Survey by Employment Type (2021)

Background

: Ambiguous boundary between work and life

Home workers feel that
boundary between work and life
has been collapsing [2]

직장인 2명 중 1명, ‘재택근무 종료’ 긍정 평가

| 자료제공: 잡코리아 (재택근무 직장인 400명 대상 조사)

Q. 긍정적으로 생각한 이유

(응답률)

일과 휴식의 경계가 분명해질 것 같아서, 58.0%

대면 업무를 통해 업무 효율을 높일 수 있어서, 47.5%

정신적으로 게을러지고 나태해진 것 같아서, 26.0%

사무실 근무 환경이 쾌적해서, 12.3%

삶의 활기가 생길 것 같아서, 8.2%

잡코리아



Background

: Ambiguous boundary between work and life

Not only domestically, But also **internationally**.. [3]

Global workplace stressors, ranked

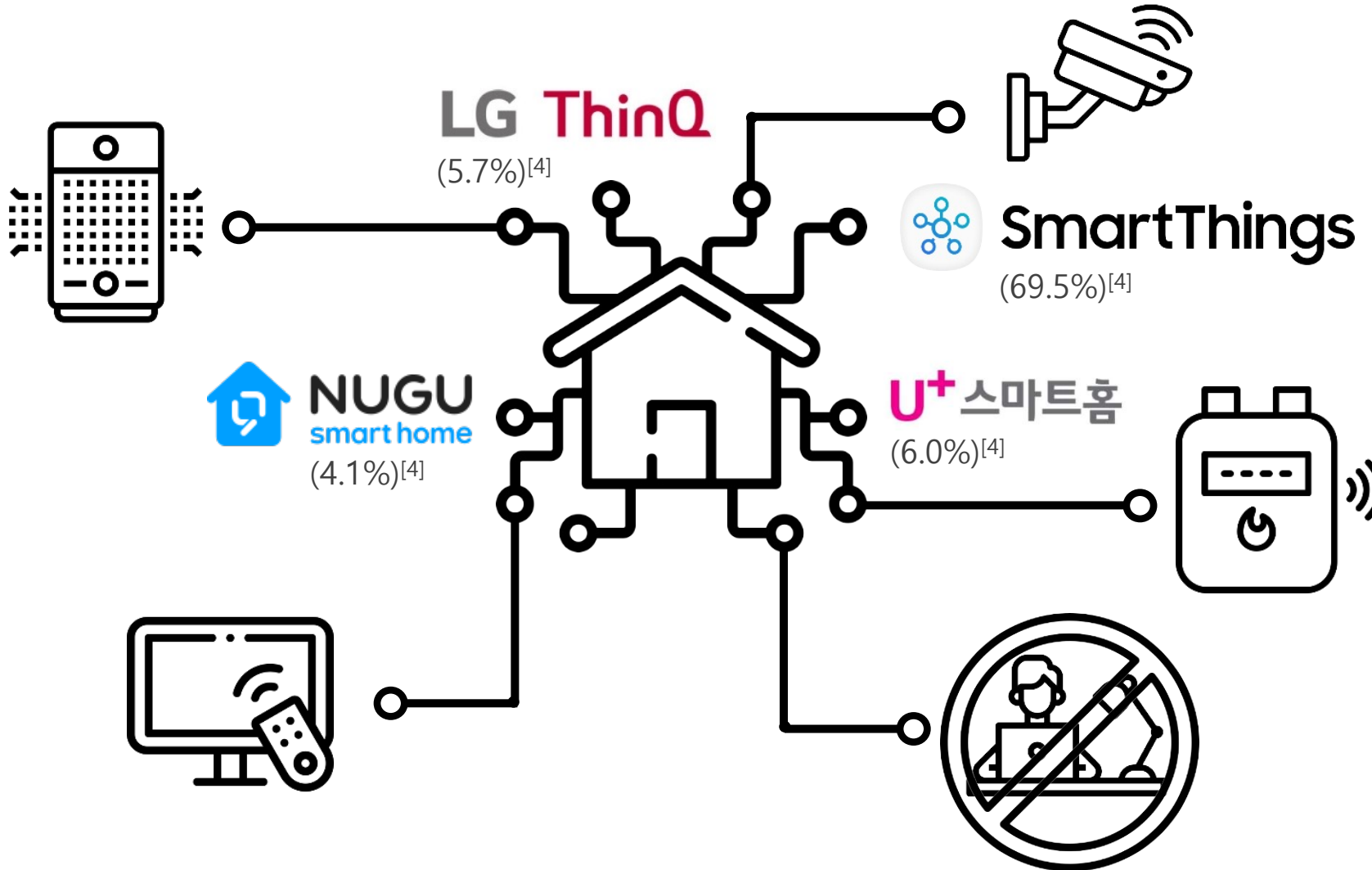


Source: Harris Poll survey commissioned by Microsoft in August 2020 among 6,165 total adults ages 18+ who are information and firstline workers across Australia, Brazil, Germany, Japan, India, Singapore, UK, and US.

Background

: Recent Smart Homes - For Home Workers?

[4] Samsung is leading Smart Home Platform (2021)

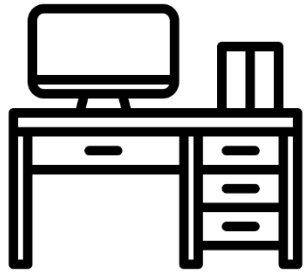


: Target "Home" Function Only – Air Purifier, TV, Energy Meter, Home Camera, etc.

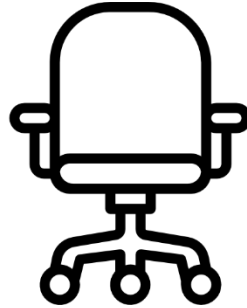
Background

: Other Products For Home Workers

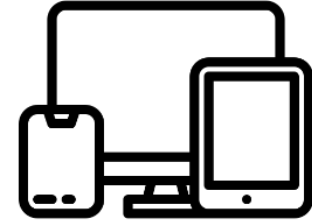
Home Office?



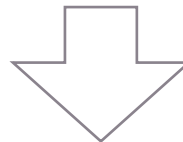
LIVART
리바트




HANSSEM



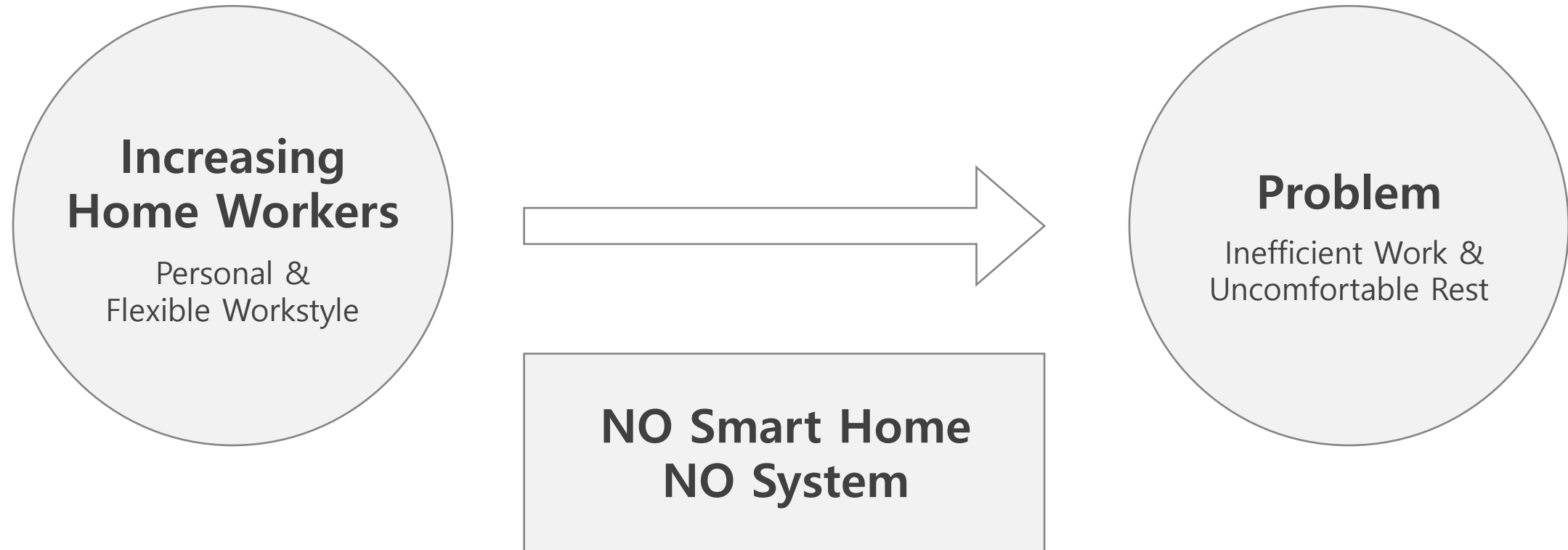
SAMSUNG



NO SYSTEMS for Home Workers

Motivation

: Specialized for Home Workers



Smart-Homepany



GOAL & METHOD

01. Goal

02. Method

“

A magical switching from home to company

”

1
Make home
a best place to rest

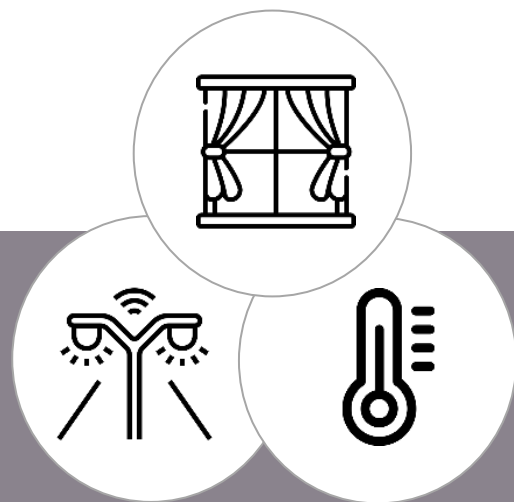


2
Make home
a best place to work

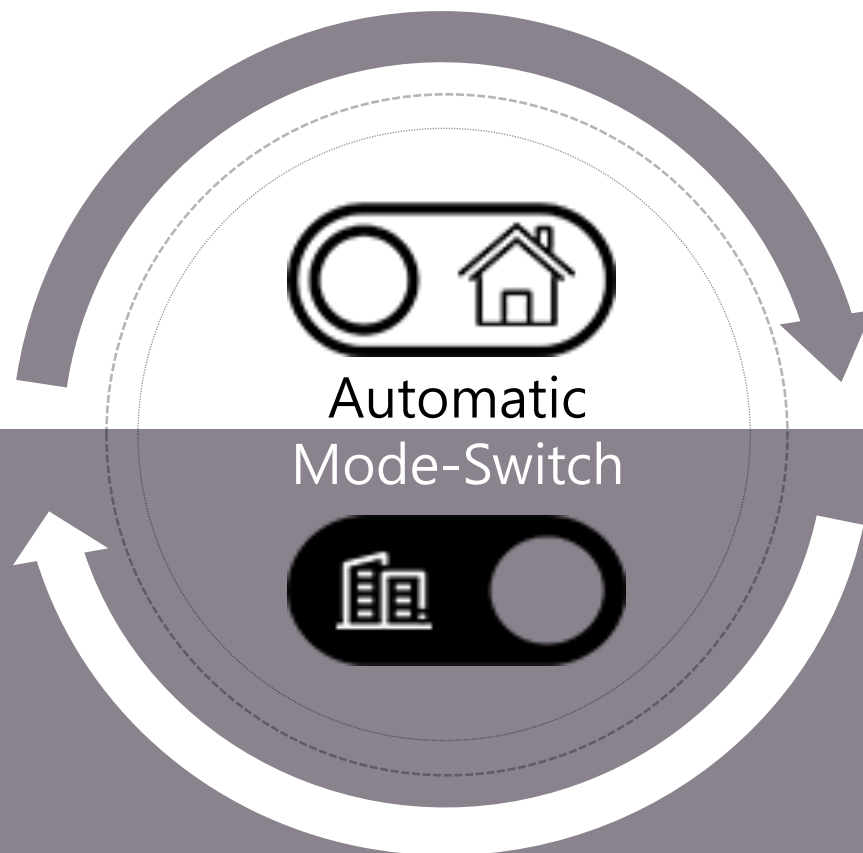
3
Switch between them
easily, quickly, even automatically

Home

Warm, Relax, Restful



Cool, Focusable, Energetic



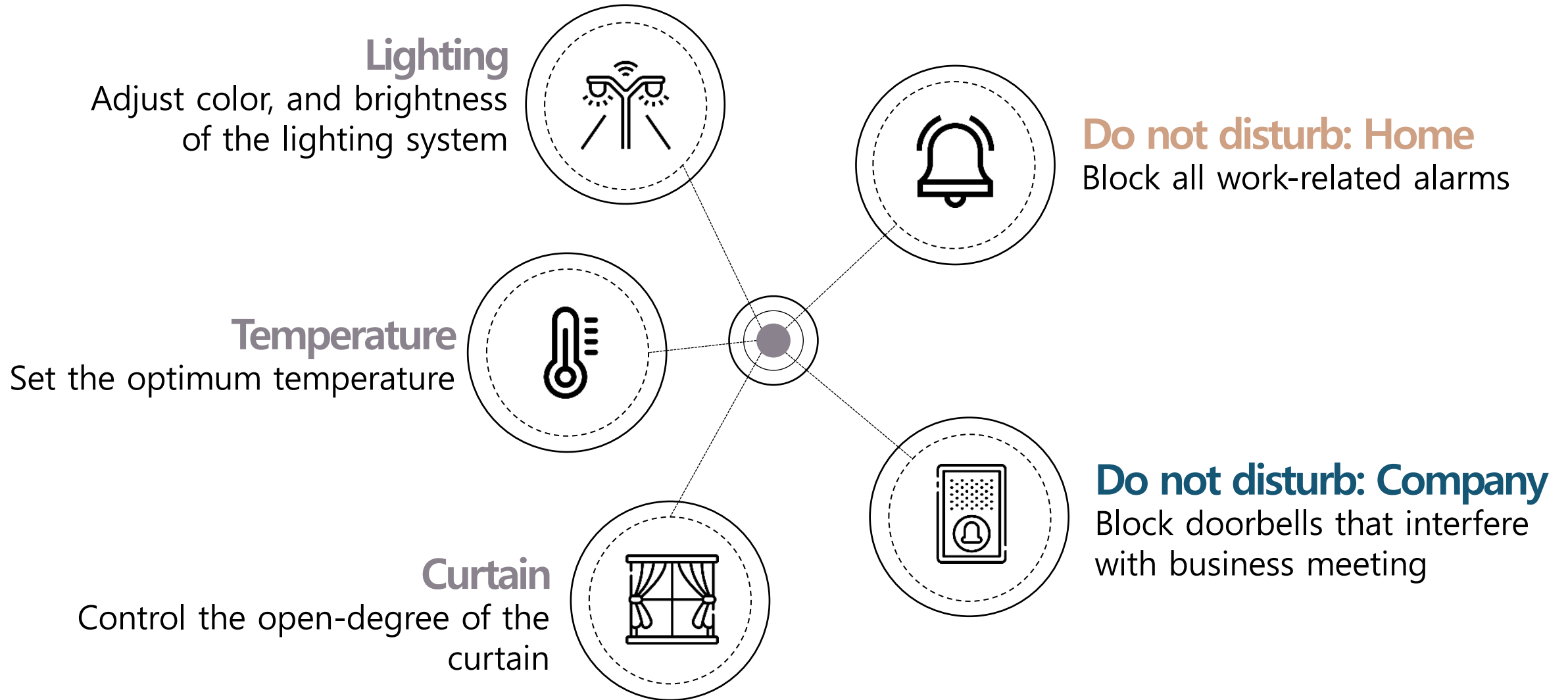
Blocking
work-related alarm



Blocking
doorbell & alarm



Company



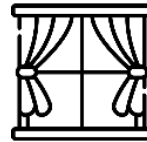
Home

Warm & Dark light

Close curtain for privacy

Higher temperature
for relaxing

Block work-related alarms

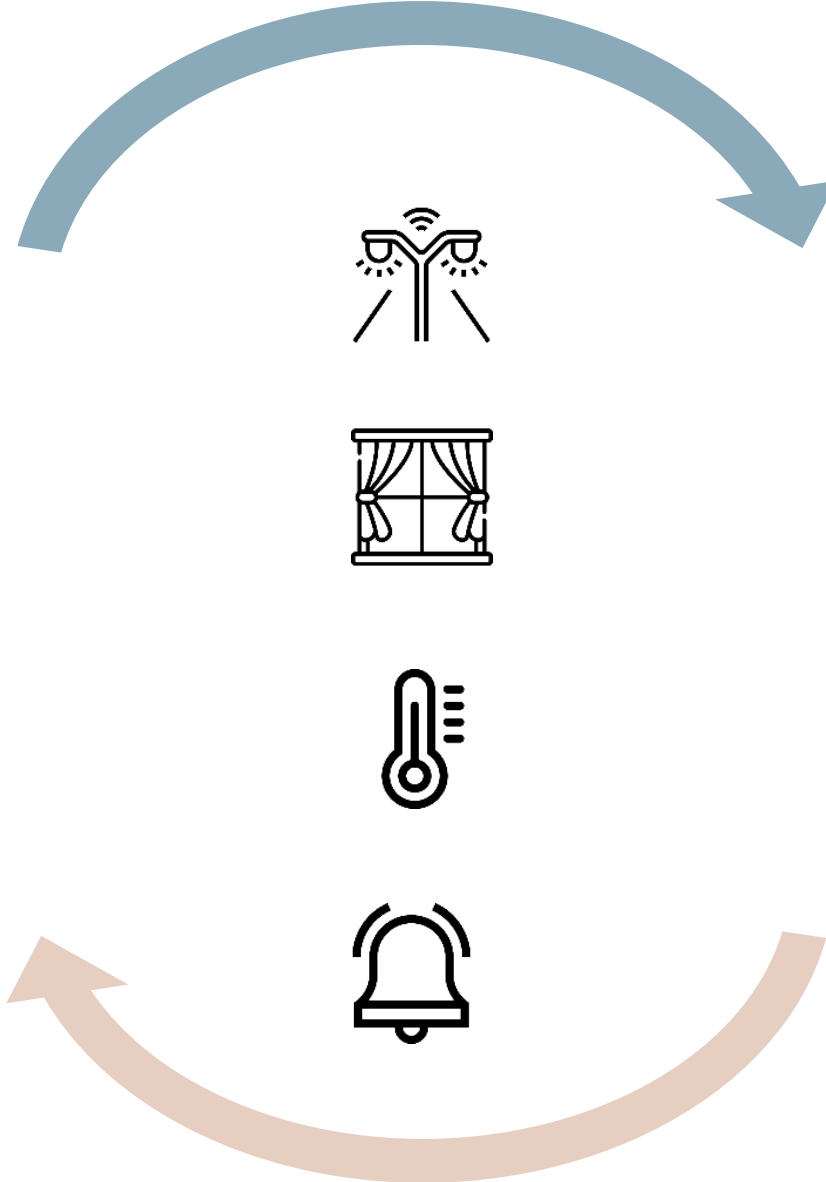
**Company**

Cold & Bright light

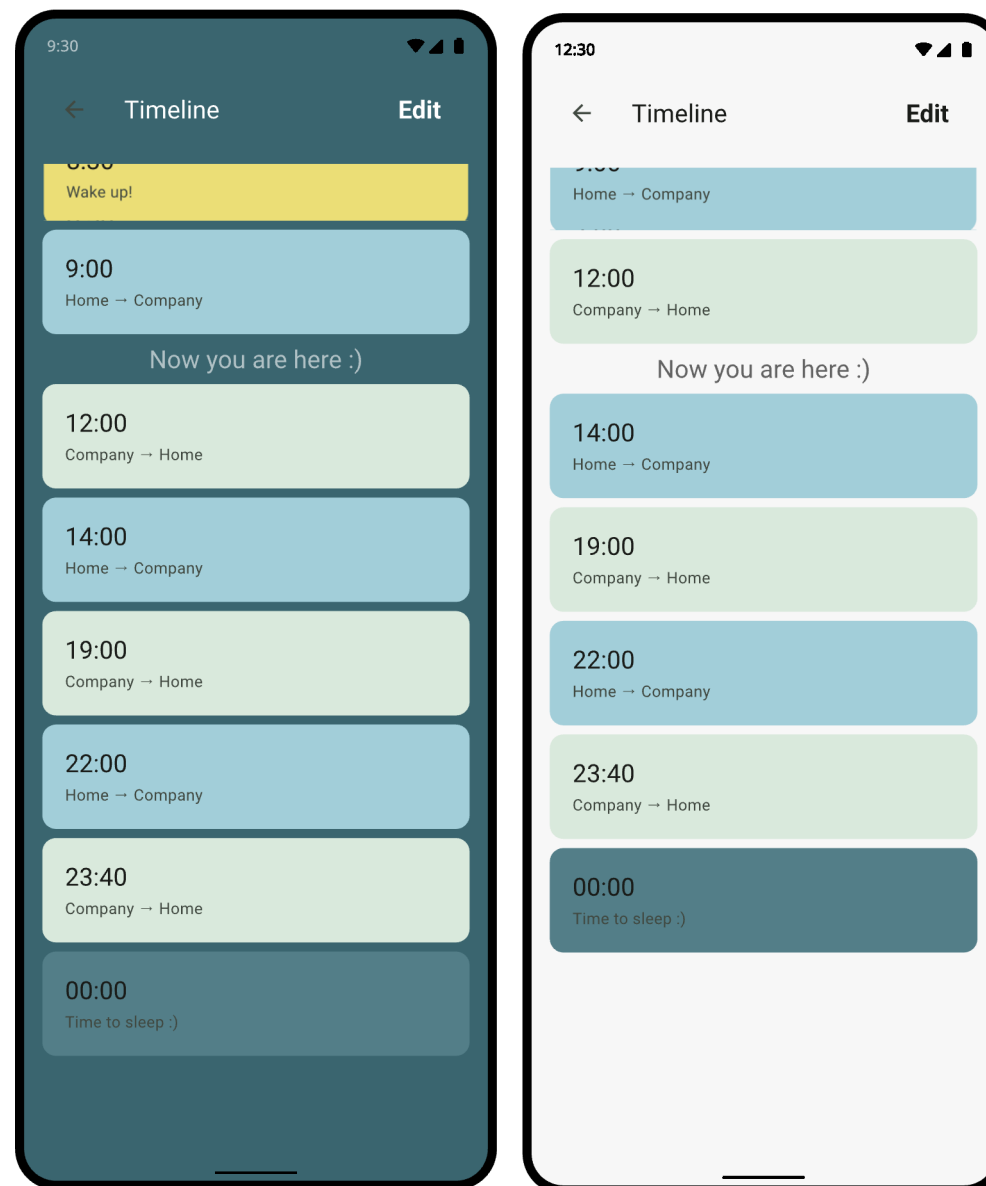
Open curtain for
working environment

Lower temperature
for concentration

Block doorbell alarm



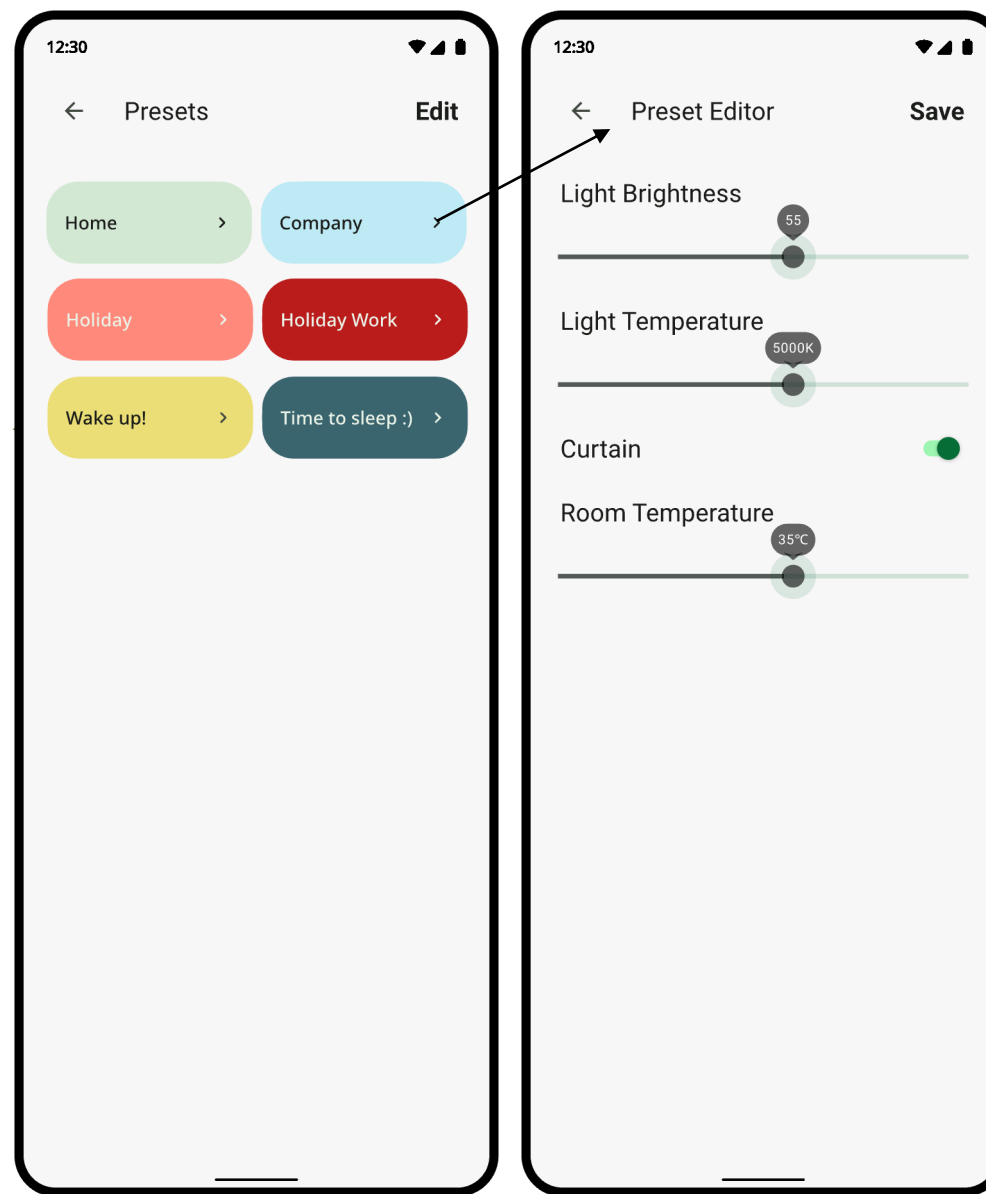
Check today's timeline.



Edit times to switch between home and company.

Indicate current mode with background color.

Customize presets.



Move sliders or toggle buttons for each attributes.

Homepany Model Pipeline

Front-end (Application)

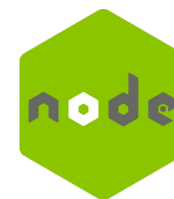


Back-end

Server



Amazon EC2



Database



Amazon RDS



Project Managing
Tools



Hardware





EFFECTS

“

*Relieve stress from the ambiguous boundaries
between home and company*

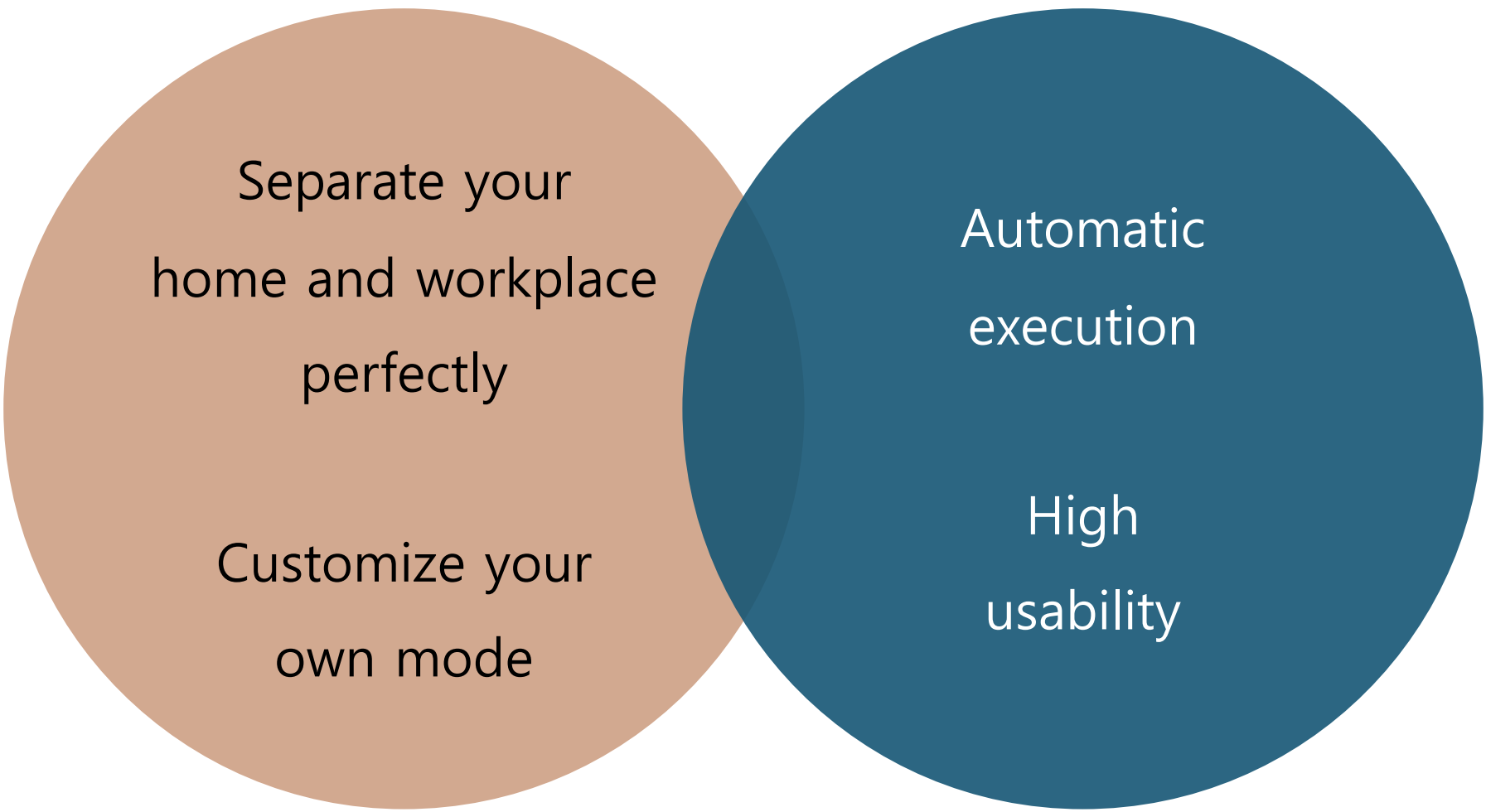
”



Compulsion to stay on-line

Lack of distinction between work and life

Mode Change

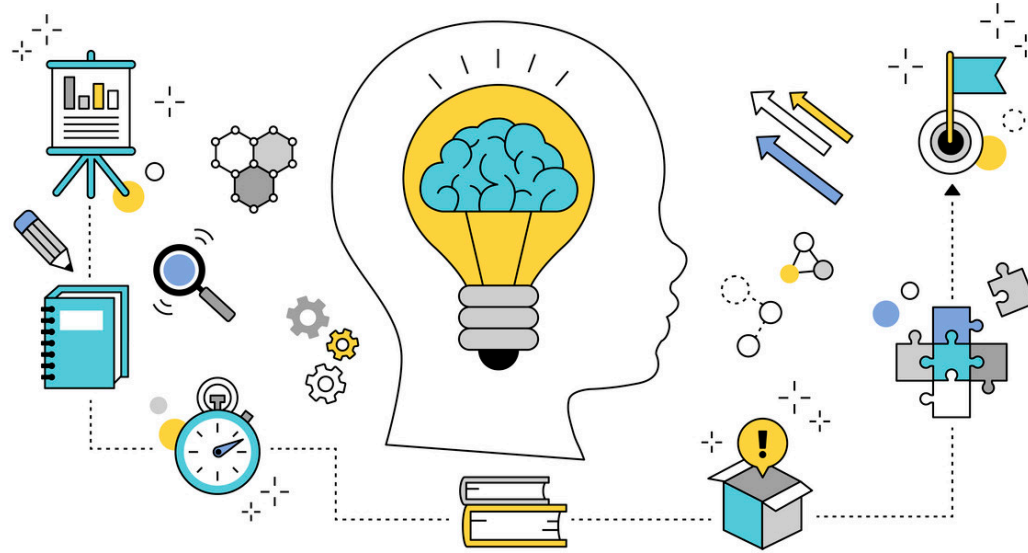


Separate your
home and workplace
perfectly

Customize your
own mode

Automatic
execution

High
usability



Relieving compulsion to stay on-line all the time

Increasing work efficiency and concentration

Improving quality of life

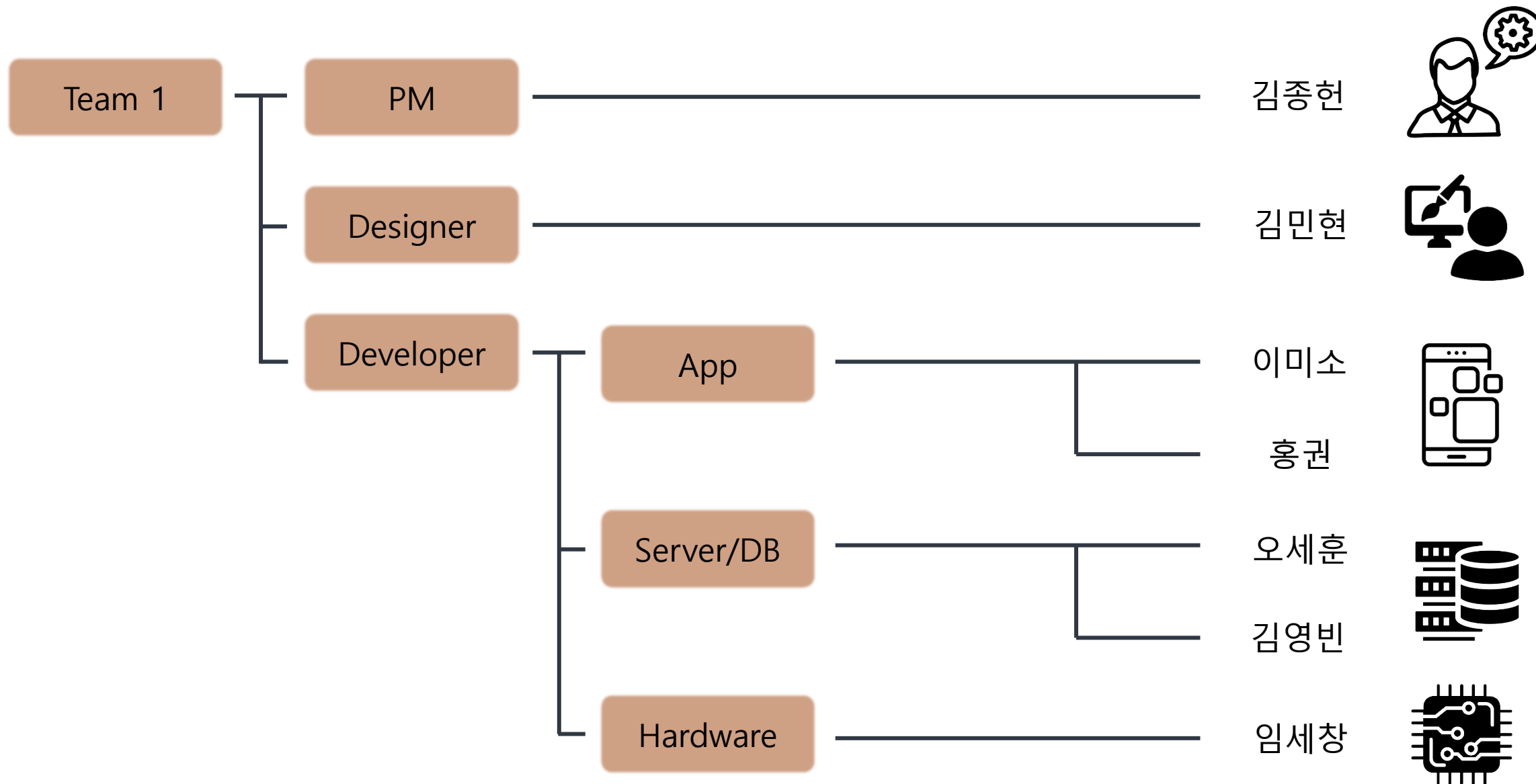


TEAM & PLAN

01. Team Formulation

02. Development Plan (Gantt Chart)

Team Formulation



Development Plan

Schedule										
Contents	Timeline									
	4/4~4/10	4/11~4/17	4/18~4/24	4/25~5/1	5/2~5/8	5/9~5/15	5/16~5/22	5/23~5/29	5/30~6/5	6/6~6/12
Requirements Specification										
System Design										
Interface Design										
Implementation – Component										
Implementation - Integration										
Test Plan										
Unit Test										
System Test										

THANK YOU

References

- [1] Statistics Korea. Supplementary Results of the Economically Active Population Survey by Employment Type. Daejeon: Statistics Korea; Aug 2021.
- [2] JOBKOREA, "직장인 2명 중 1명, 재택근무 종료 환영", JOBKOREA, Nov 2021, <https://bit.ly/35fzdvf>
- [3] Jared Spataro, A pulse on employees' wellbeing, six months into the pandemic, Microsoft 365, Sep 2020, <https://bit.ly/3LhUJyP>
- [4] YC Jung, "Samsung is leading Smart Home Platform", ETNEWS, Feb 2021, <https://bit.ly/3LhWaNU>