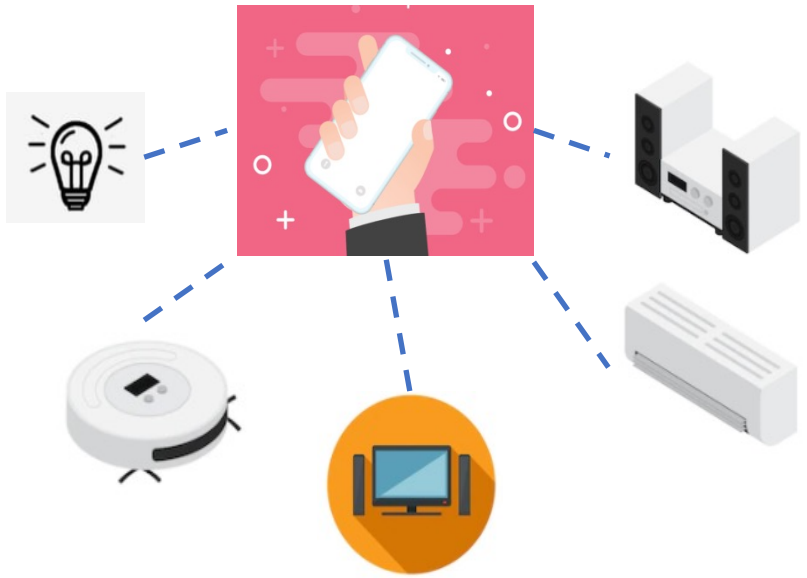
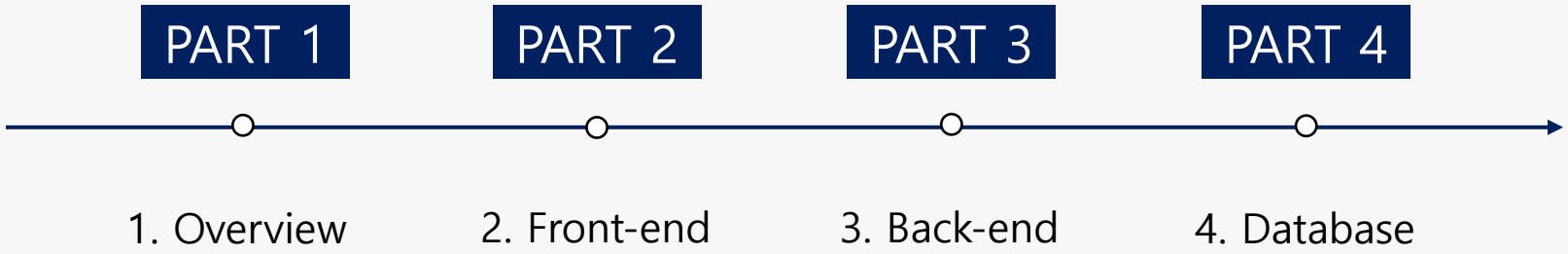
# Smart Remote Control



## Final Presentaion

Team 12

# CONTENTS


PART 1
PART 2
PART 3
PART 4
1. Overview
2. Front-end
3. Back-end
4. Database

PART 1 Overview

1 Problem

2 Goal

01 Overview

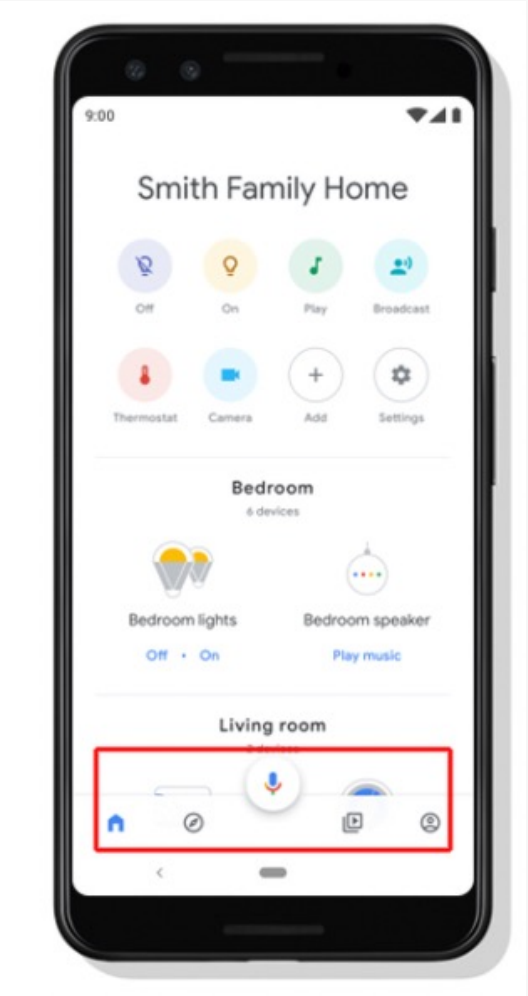
# Problem

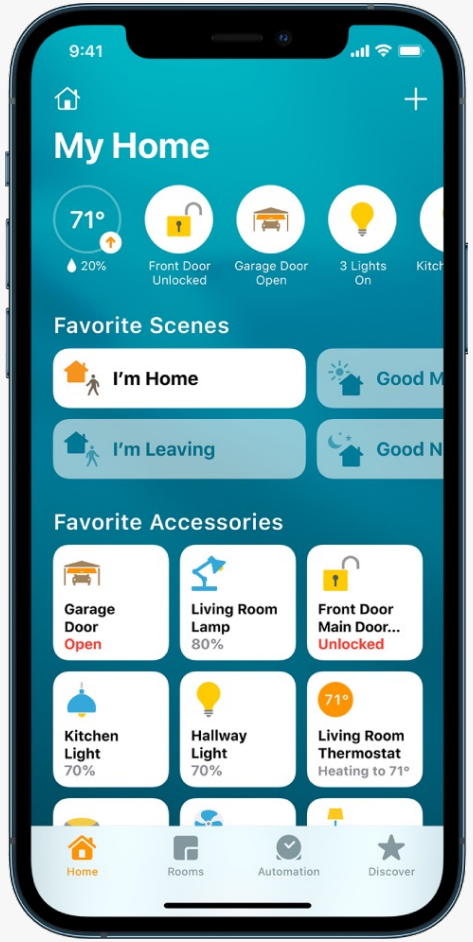
Apple homes and google home are two major smart home applications in the market.

01

Overview

# Problem

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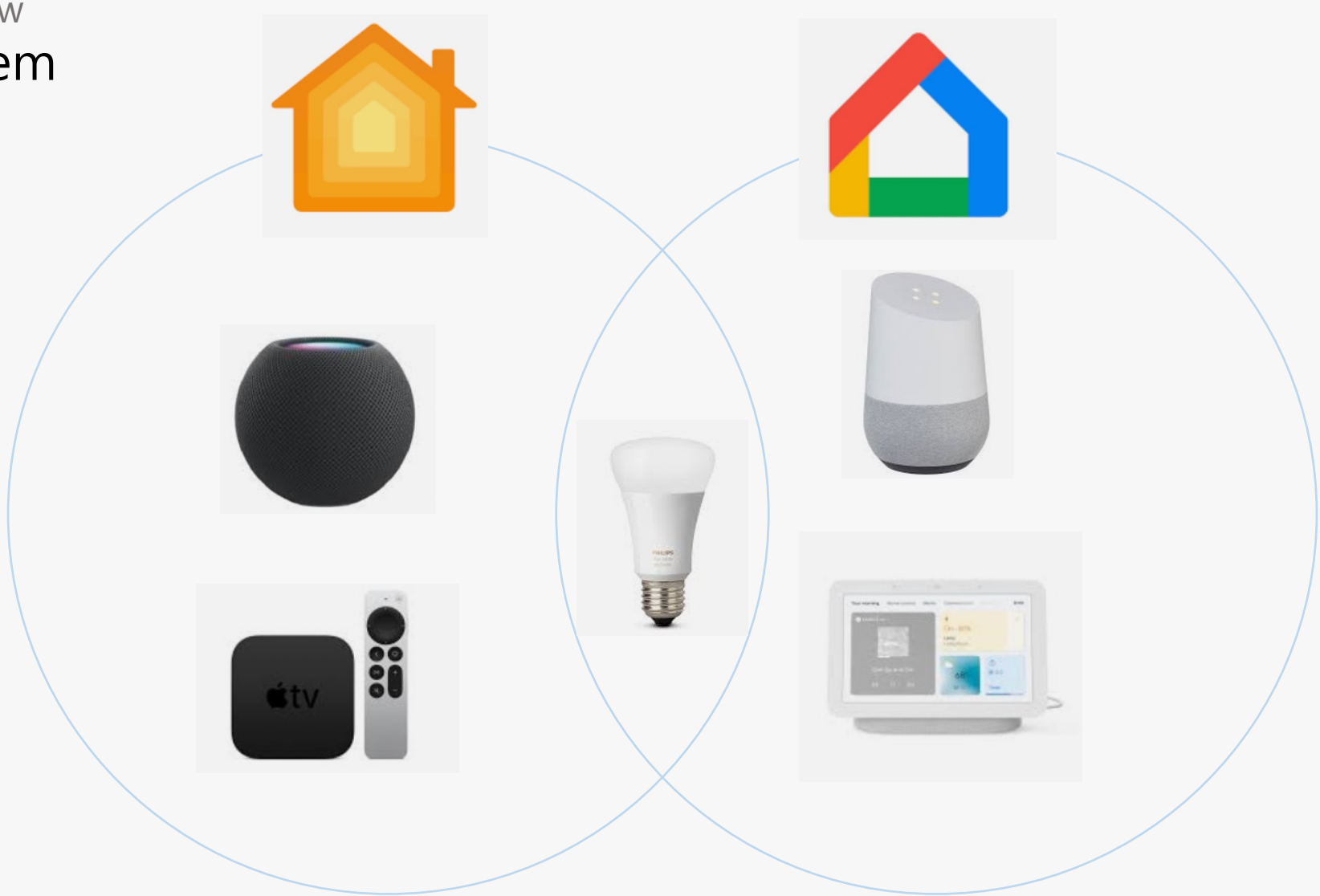
01 Overview

# Problem

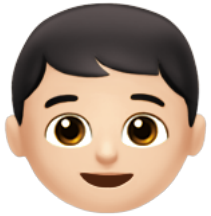



There are various devices that each apps support. But there are not much devices that is supported by both apps

01 Overview
# Problem

android

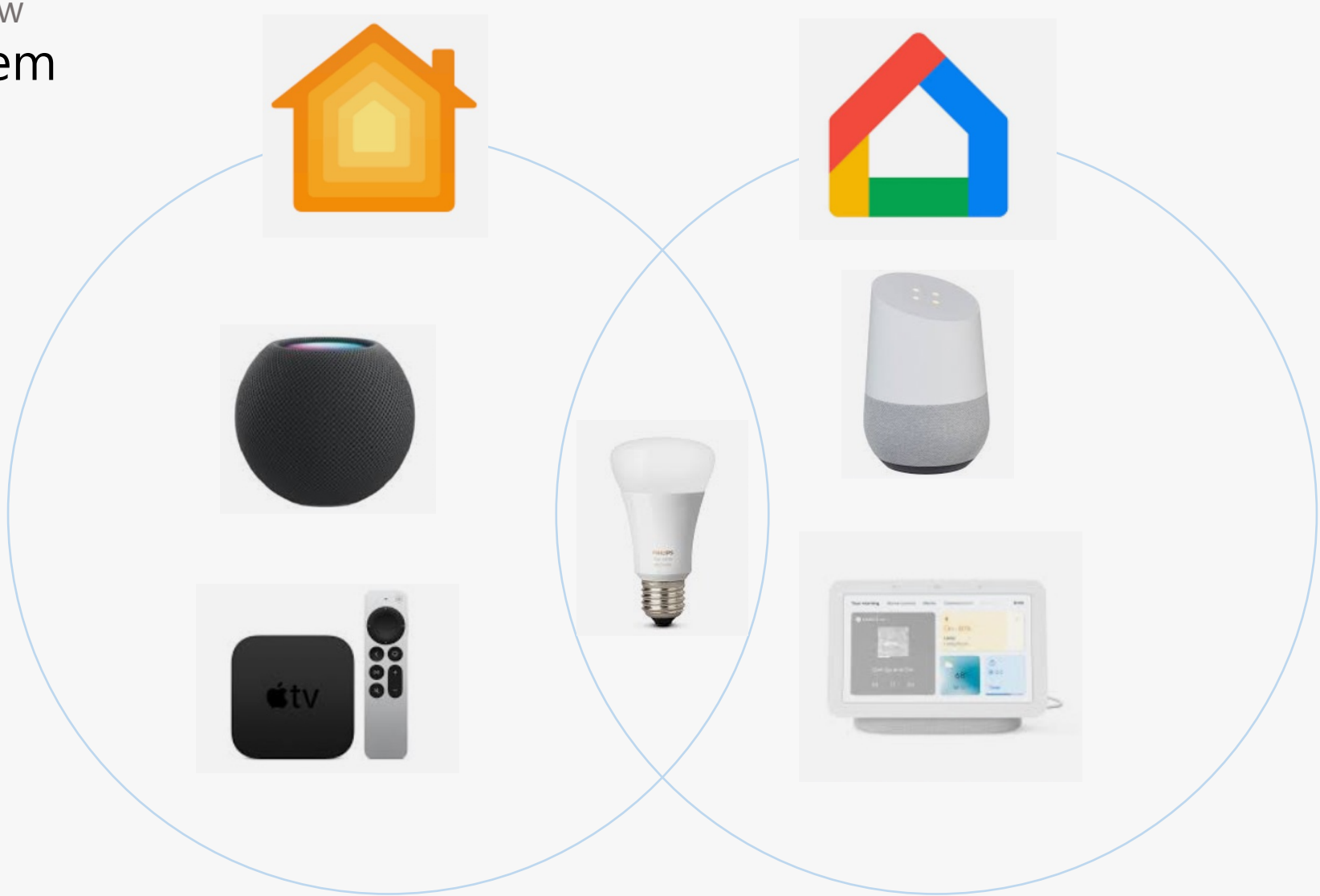
iOS



Family who have mixed use of Android phones and iPhones get limited choices.

01 Overview

# Problem

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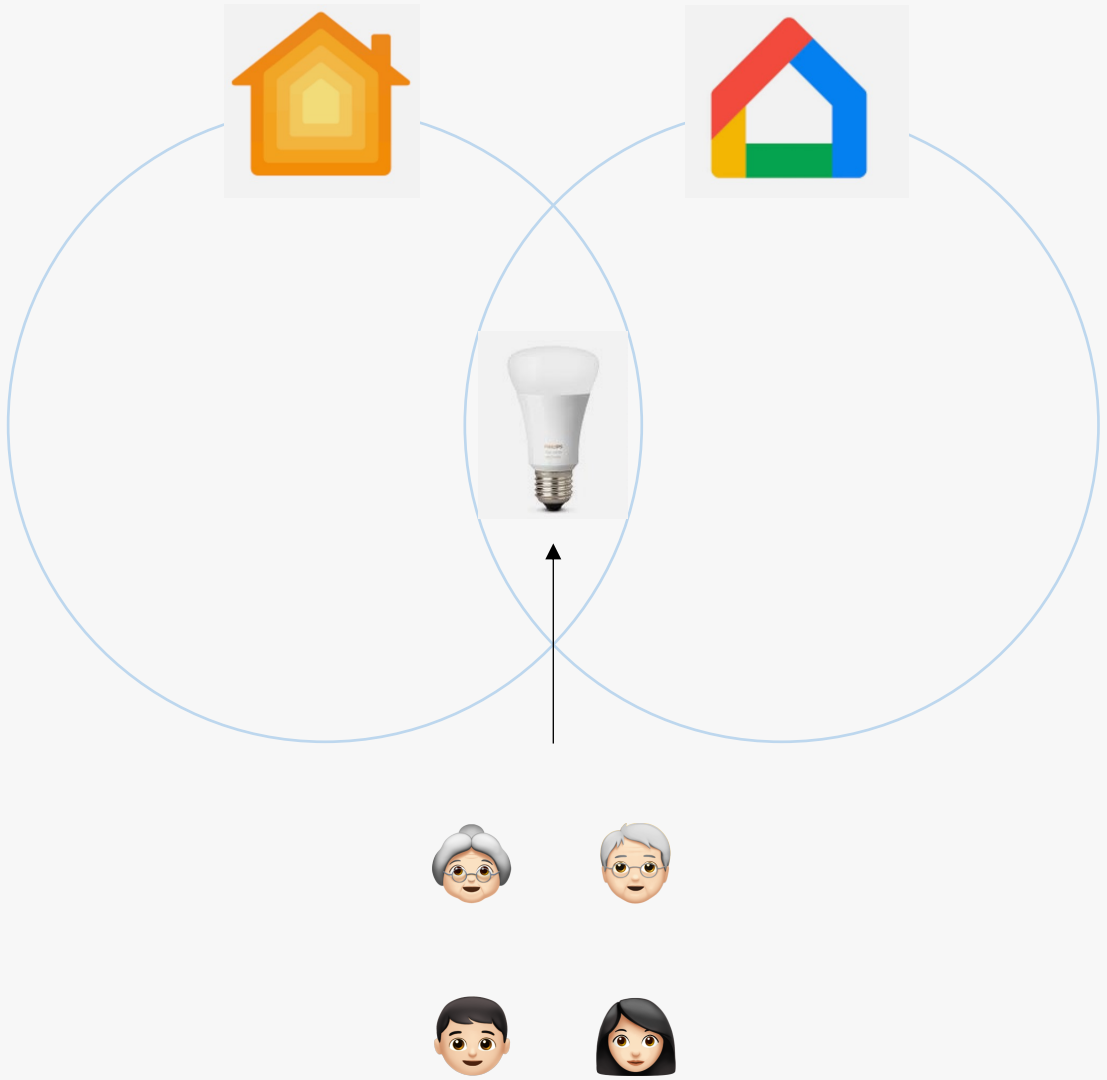
01

Overview

# Problem



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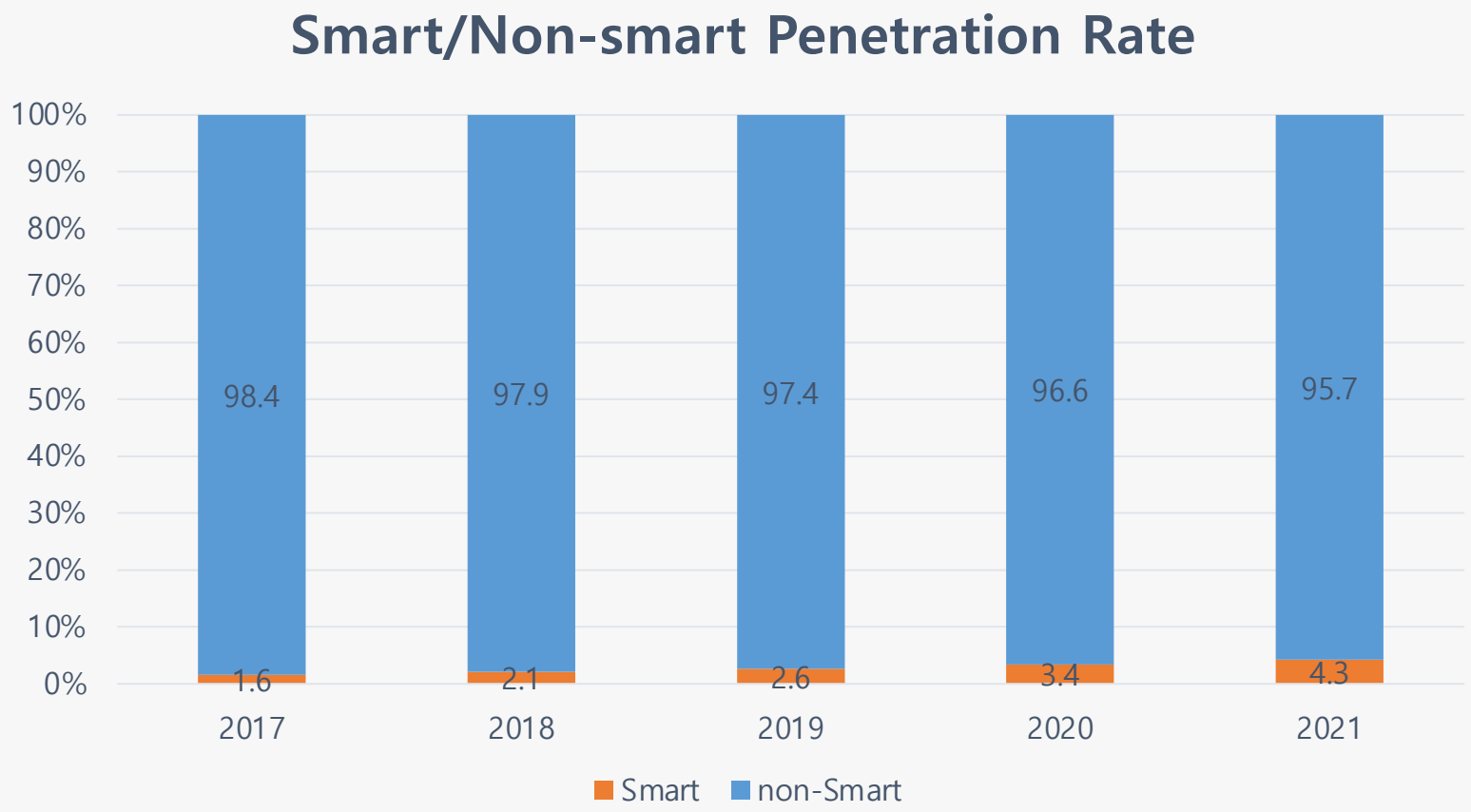
# Problem




Smart home appliances market share is still very low. Most of the households use regular home appliances.

01

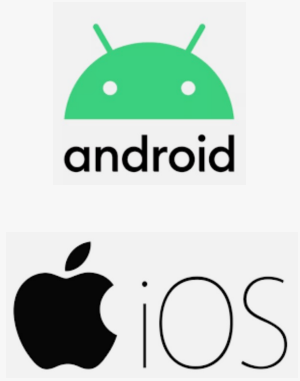
Overview

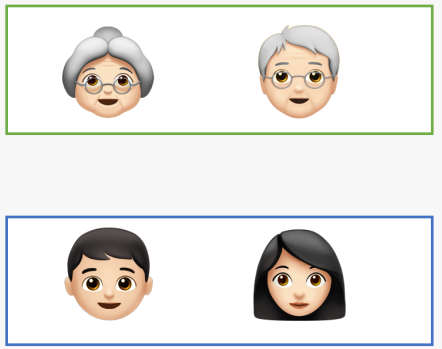
# Goal

Using non-Smart home appliances

+

Using both Android/iPhone



Our product target families who 1) use regular home appliances and
2) have both Android and iPhones

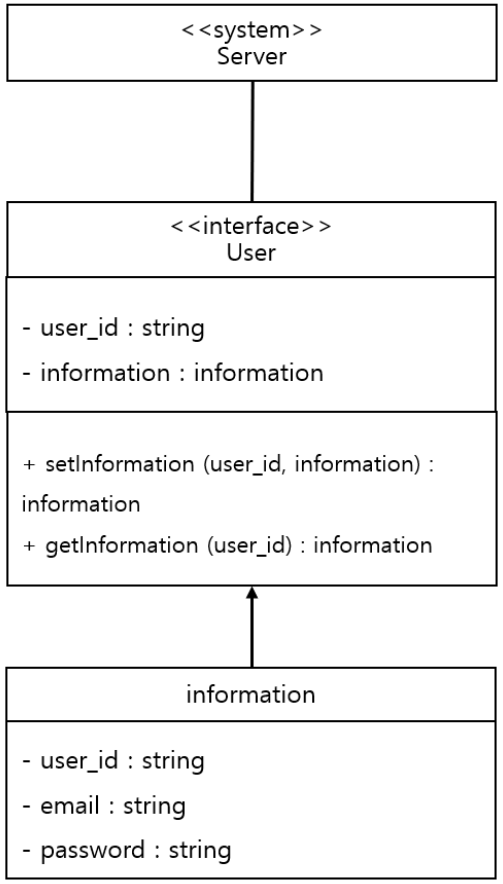
PART 2 Front-end

1. User
2. Appliance
3. Control

02

Front-end

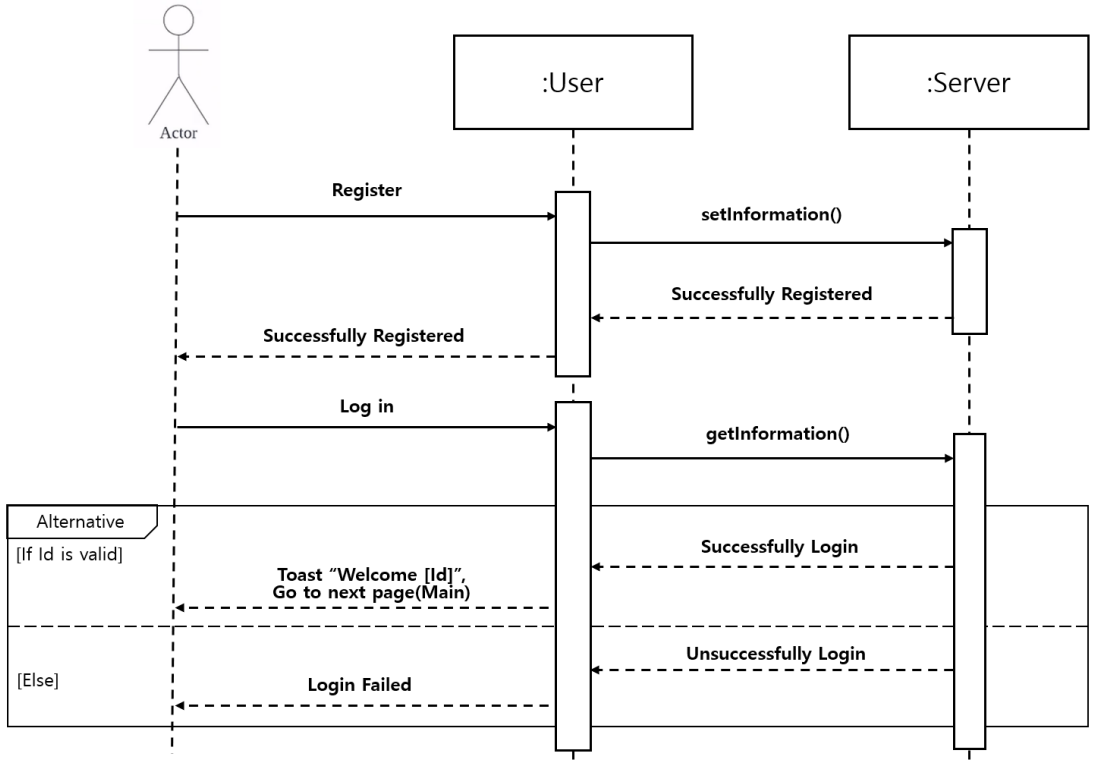
# User – Class Diagram



02

Front-end

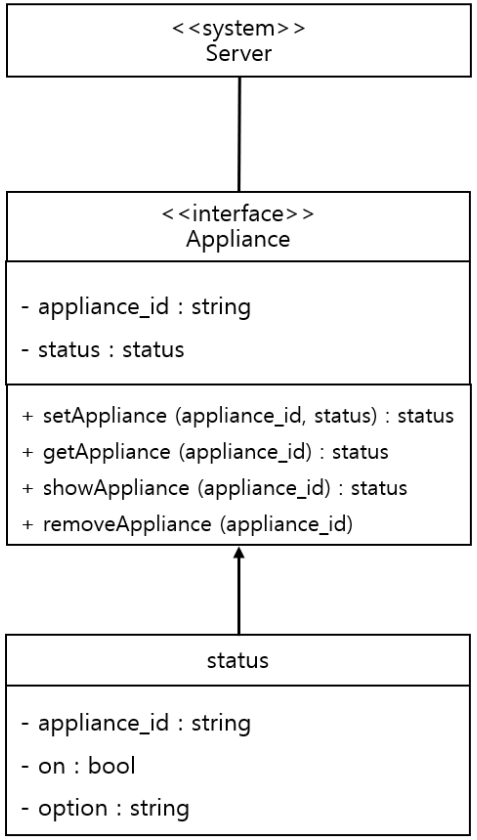
# User – Sequence Diagram



02

Front-end

# Appliance – Class Diagram



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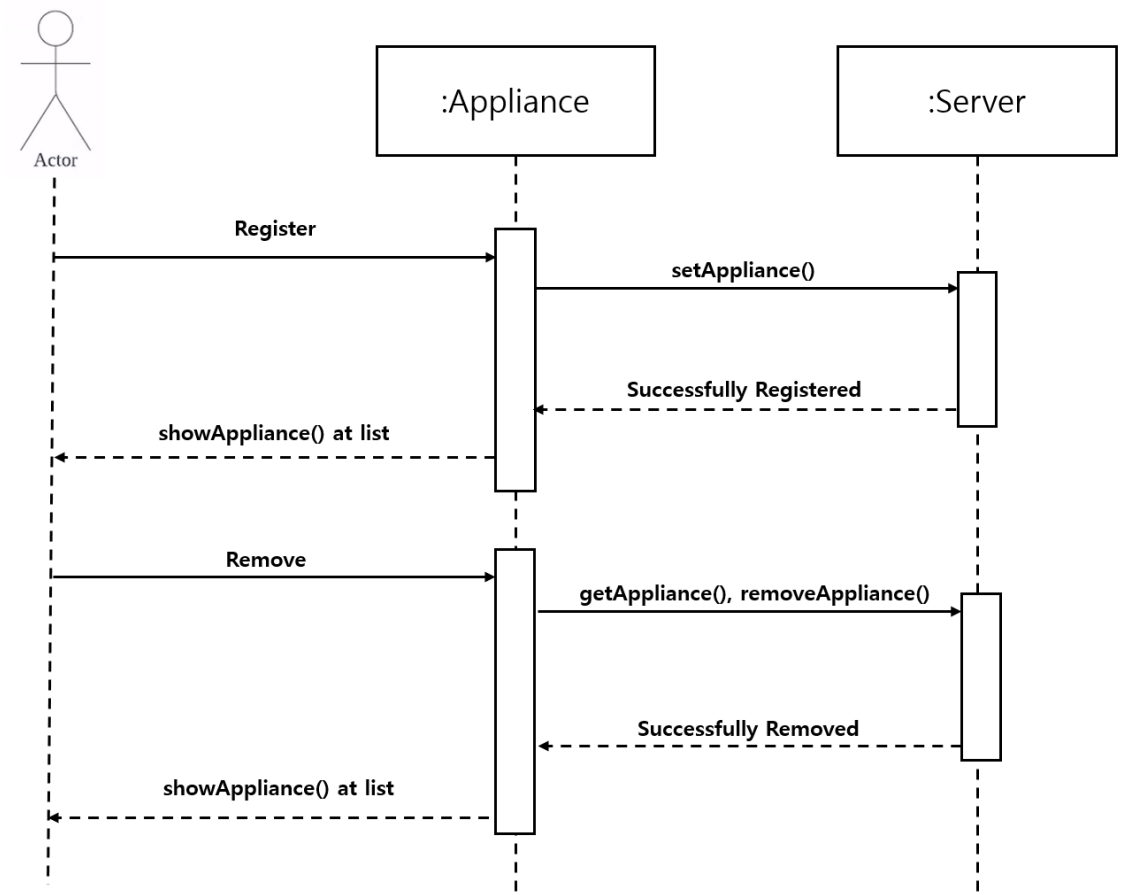
Front-end

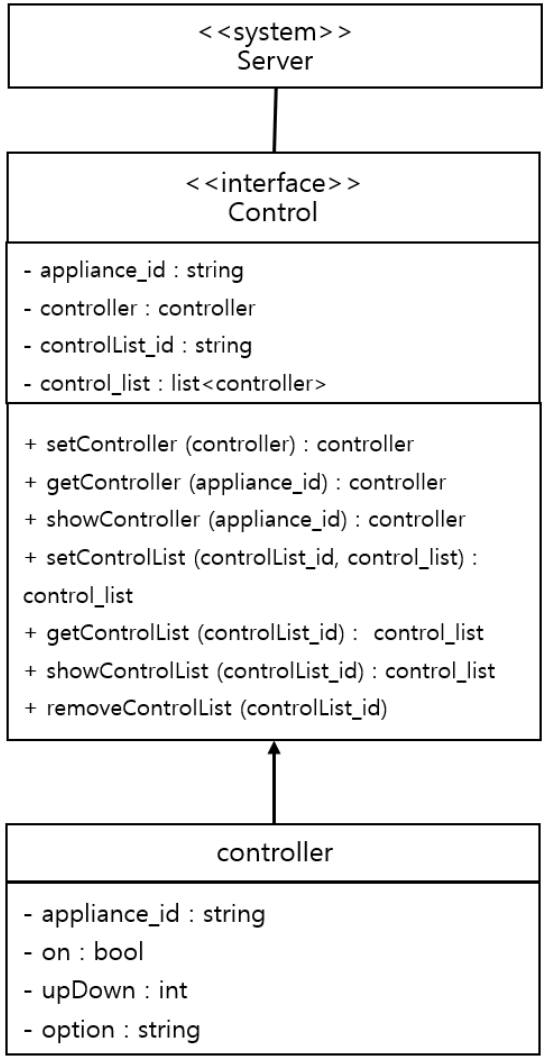
# Appliance – Sequence Diagram



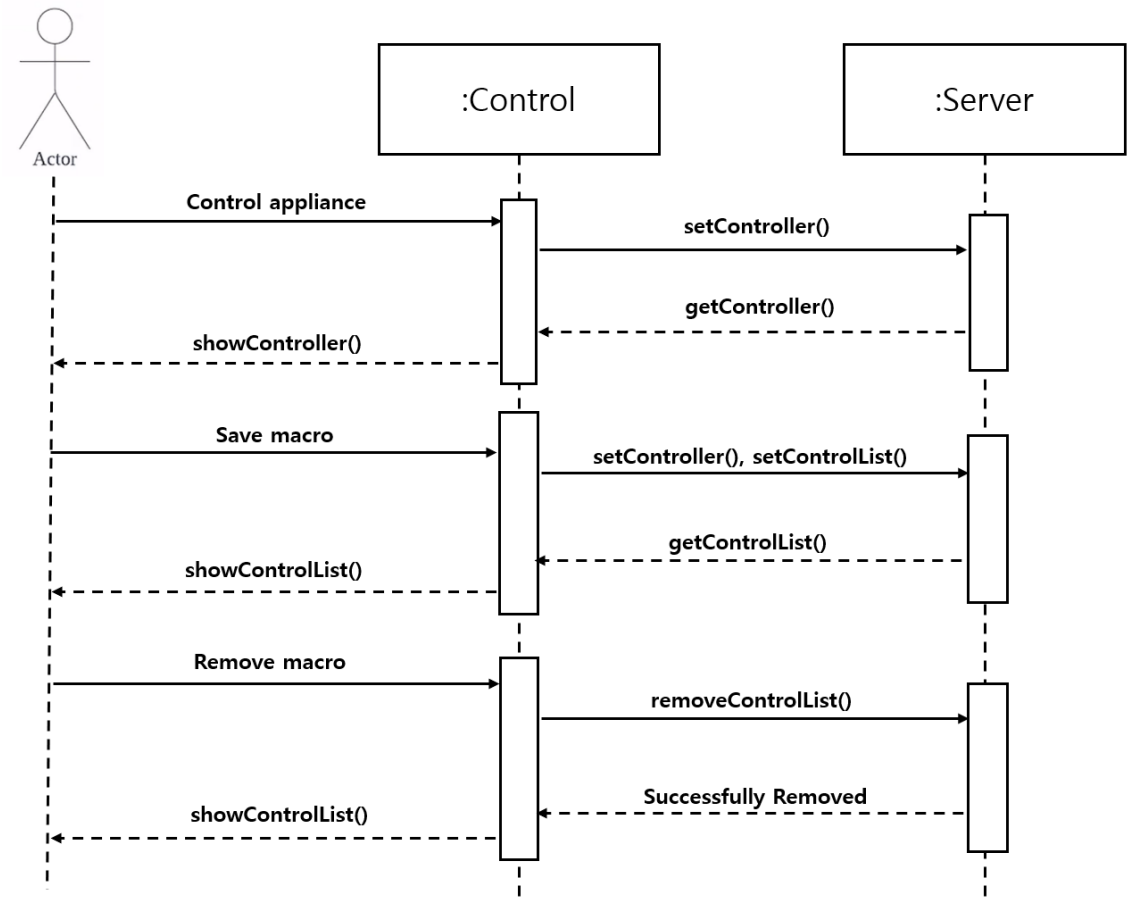
02

Front-end

# Control – Class Diagram



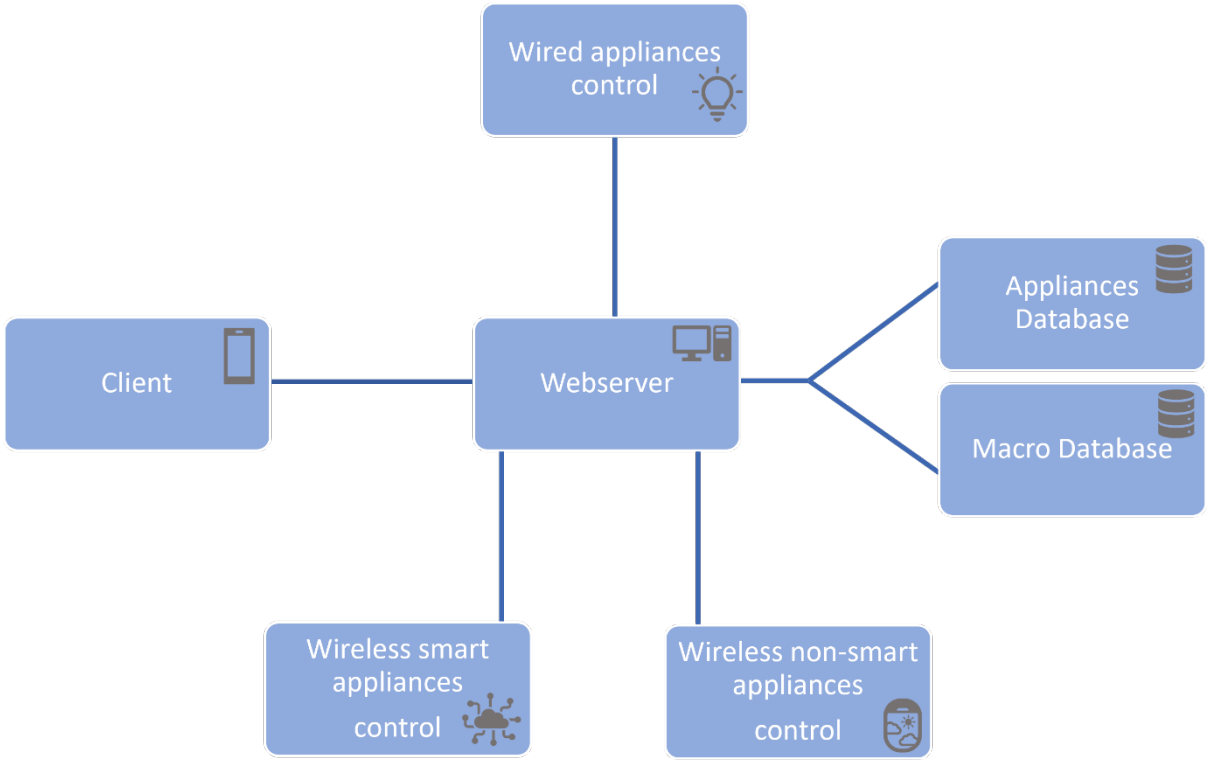
# Control – Sequence Diagram



PART 3 Back-end

1. Wired appliances control
2. Wireless smart appliances control
3. Wireless non-smart appliances control

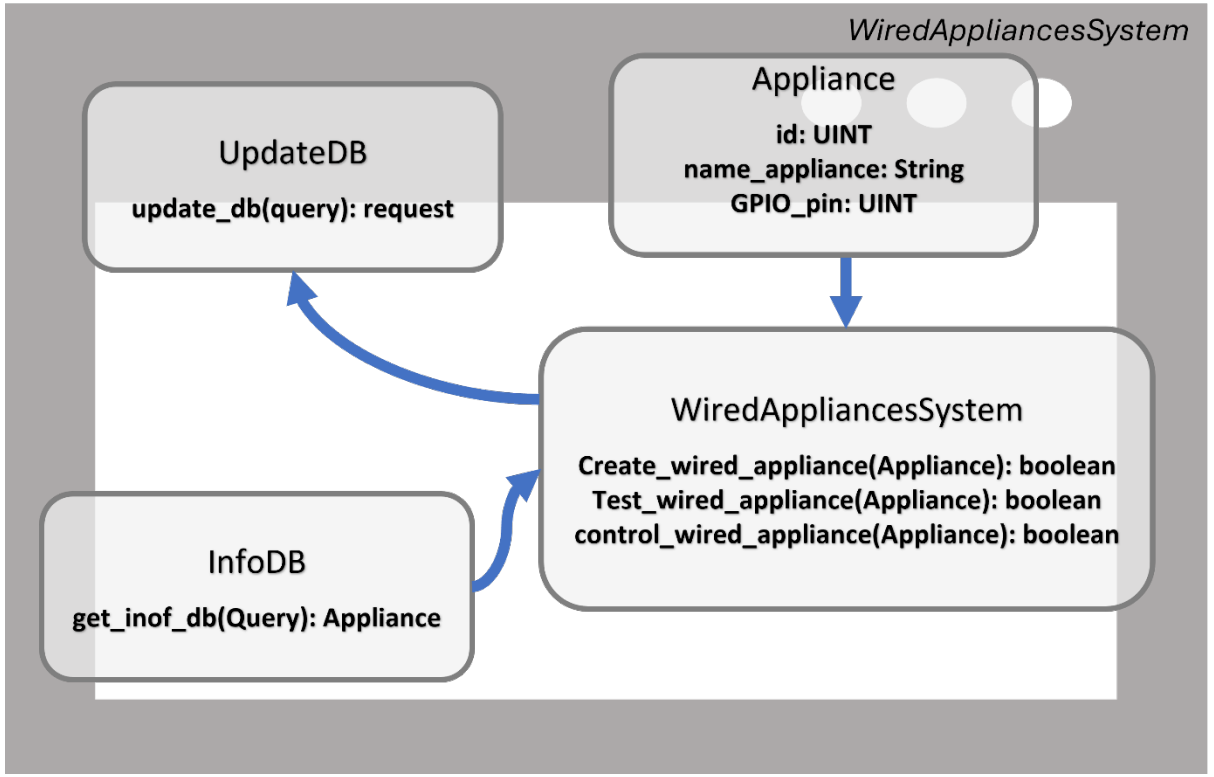
# 03 Back-end
# Overview



03

Back-end

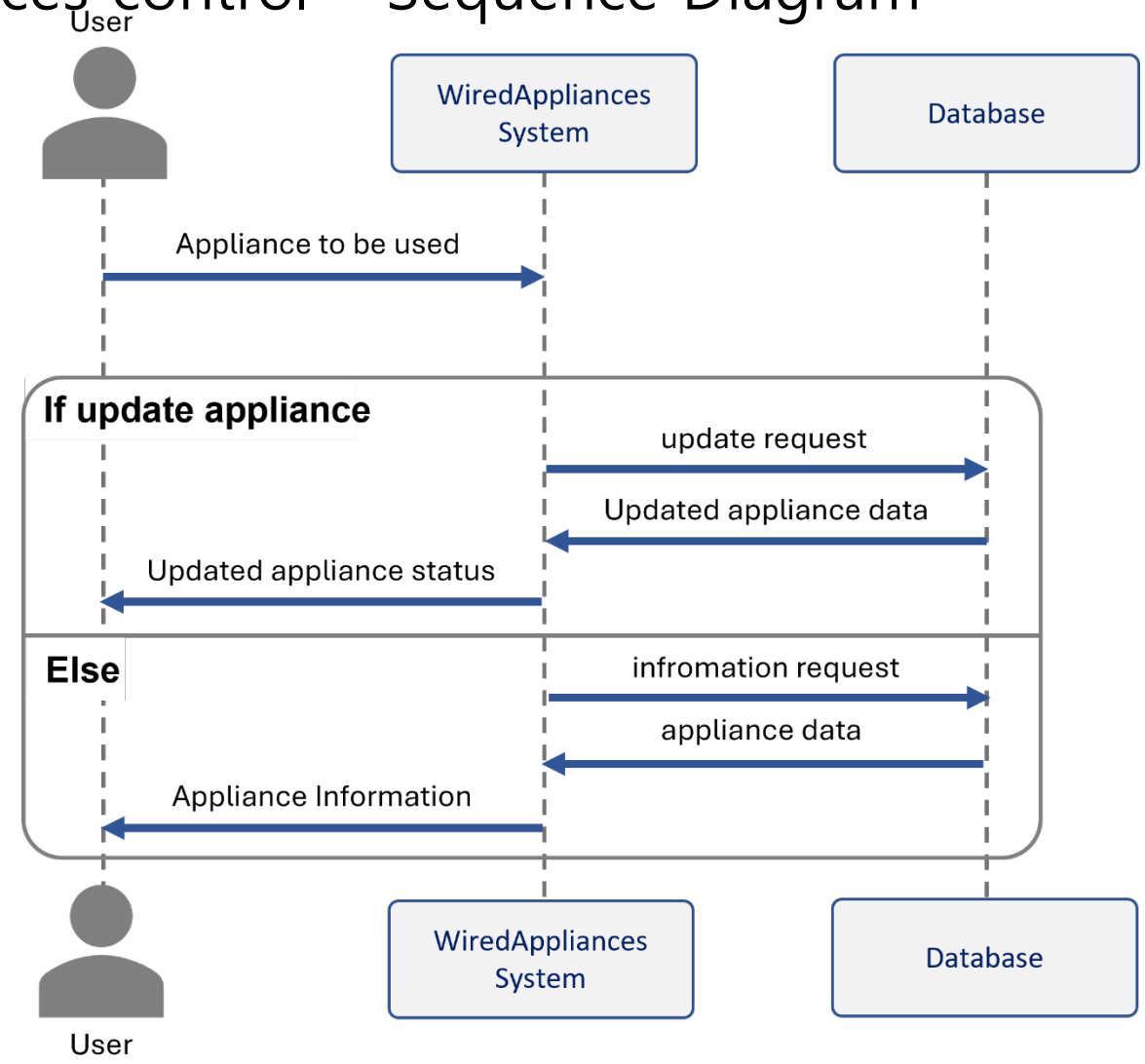
# Wired appliances control – Class Diagram



03

Back-end

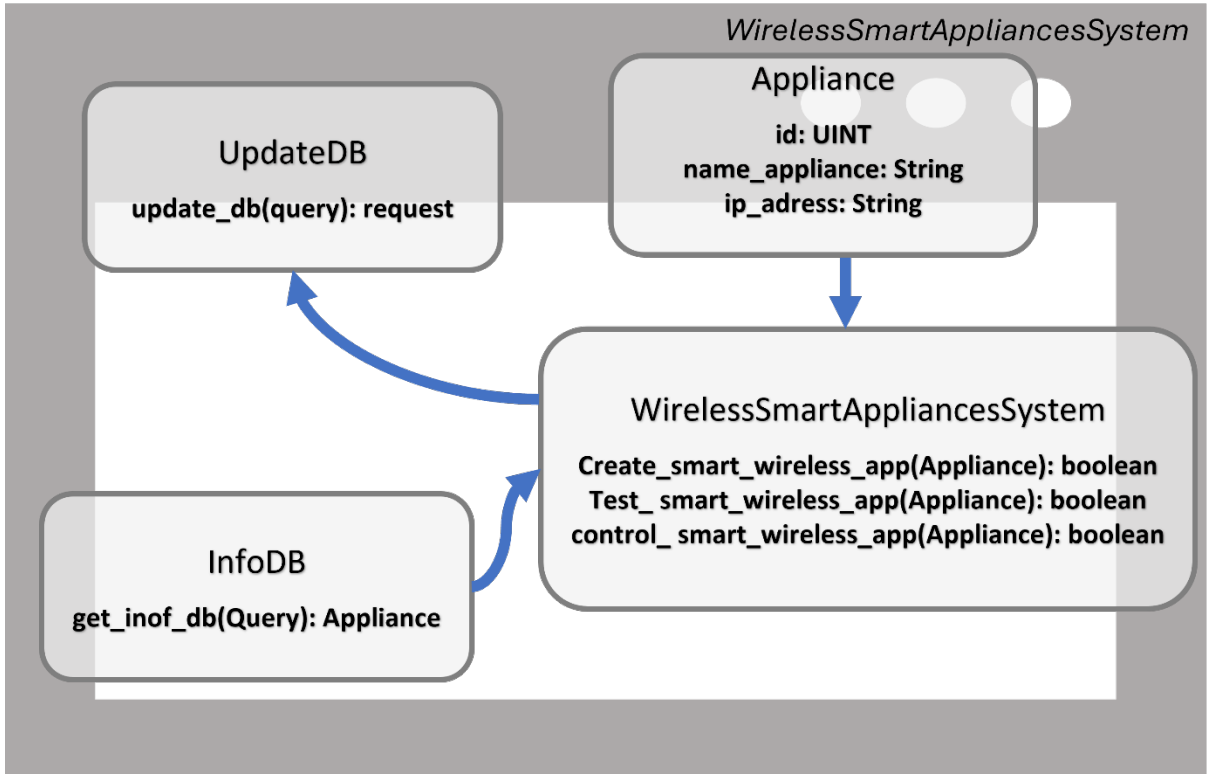
# Wired appliances control – Sequence Diagram



03

Back-end

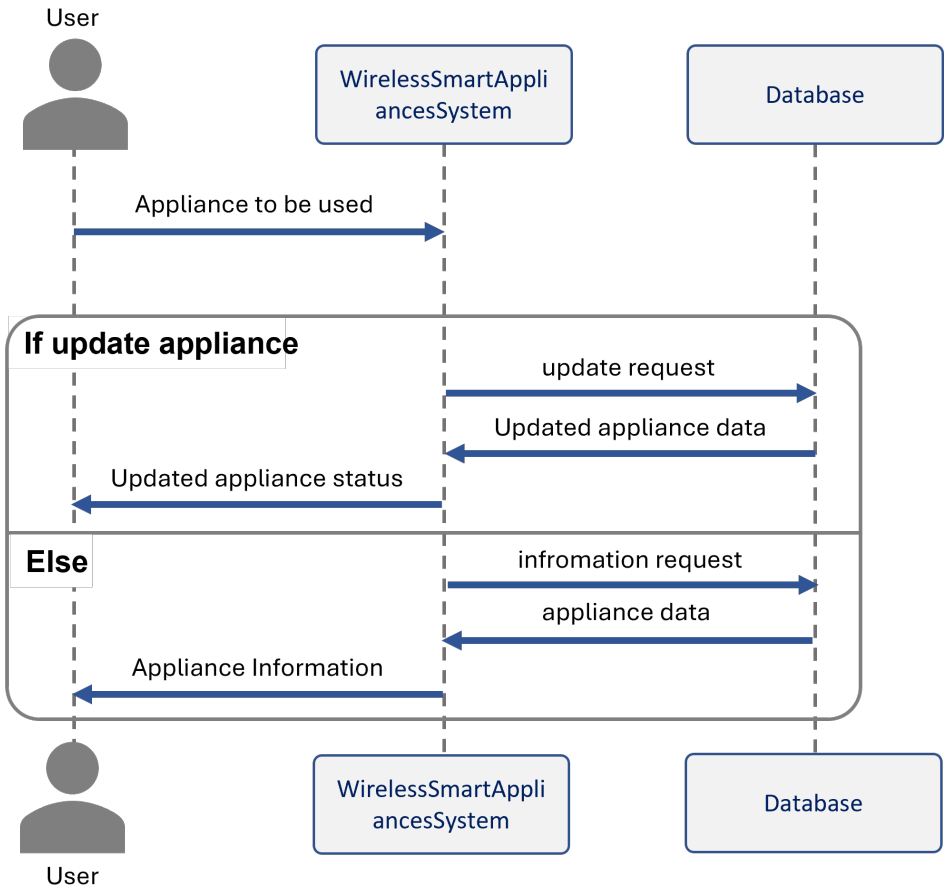
# Wireless smart appliances control – Class Diagram



03

Back-end

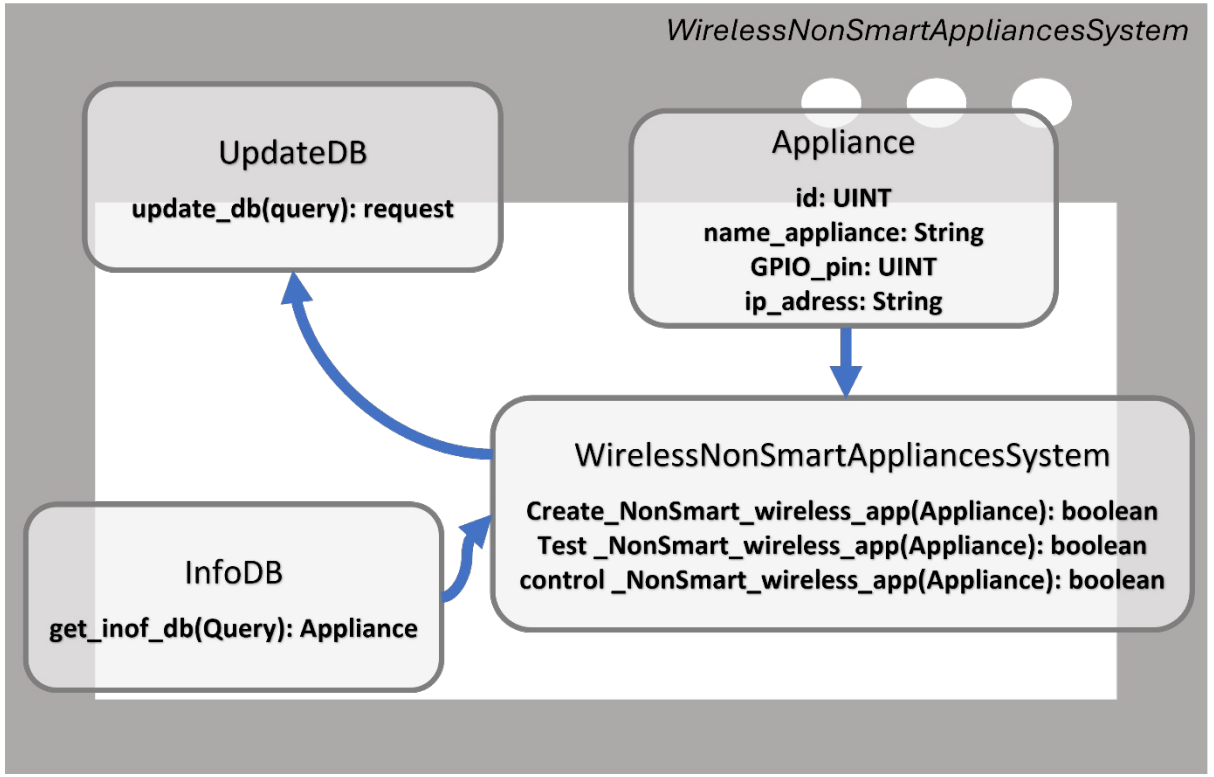
# Wireless smart appliances control – Sequence Diagram



03

Back-end

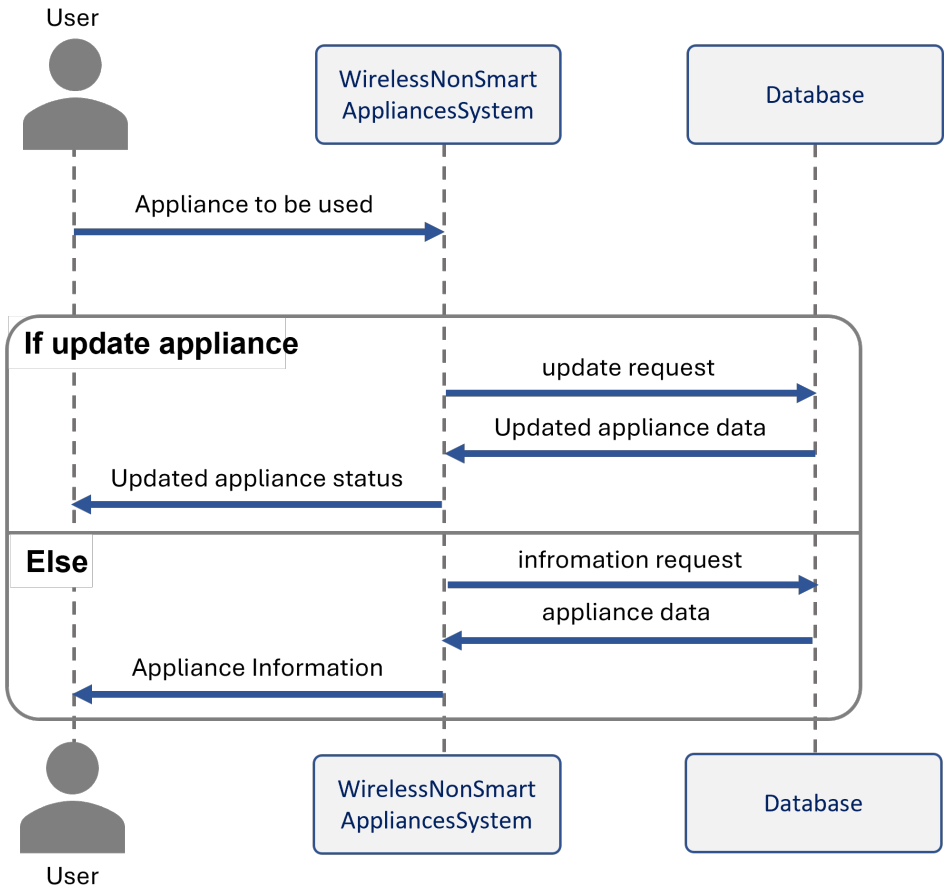
# Wireless non-smart appliances control – Class Diagram



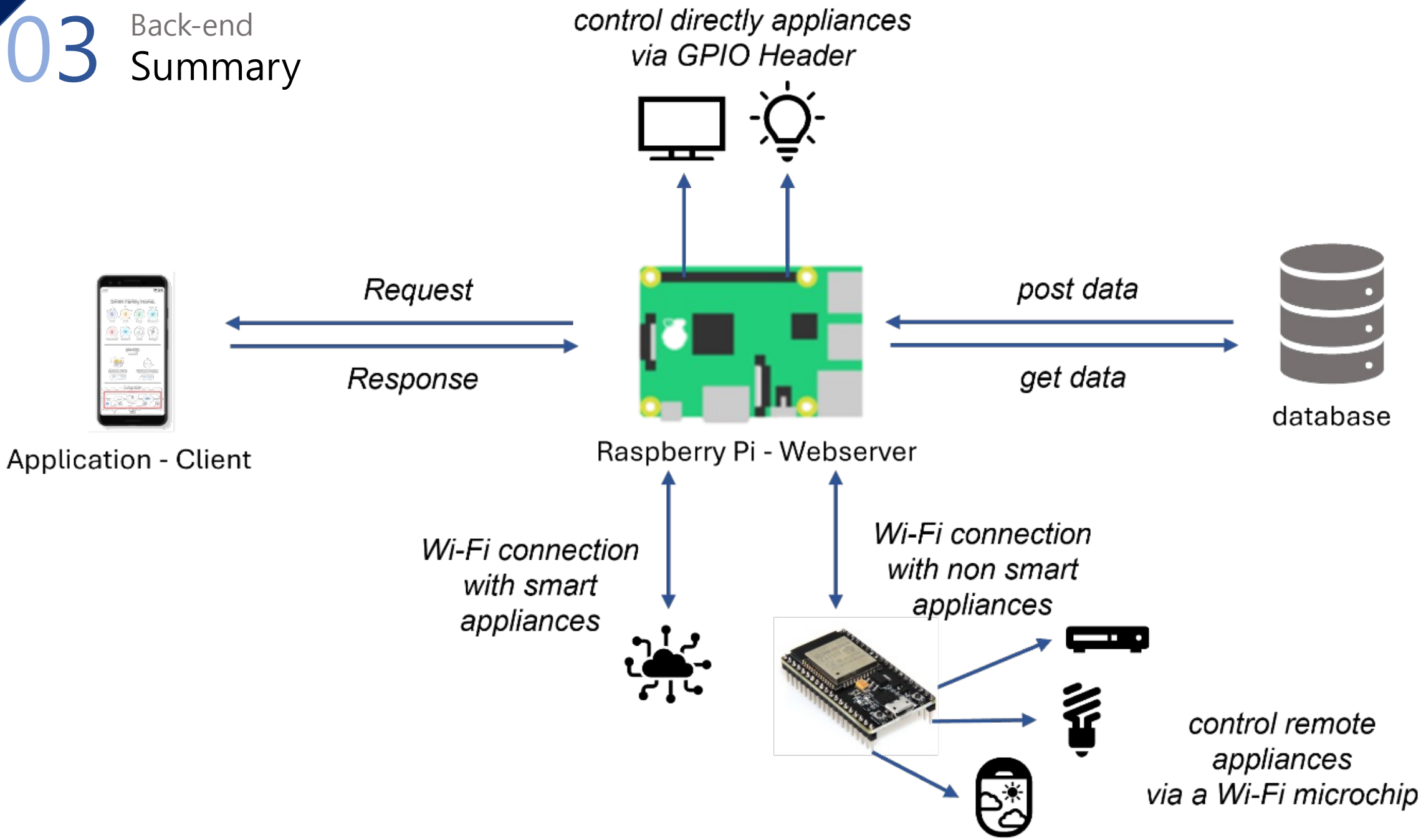
03

Back-end

# Wireless non-smart appliances control – Sequence Diagram



# 03 Back-end Summary

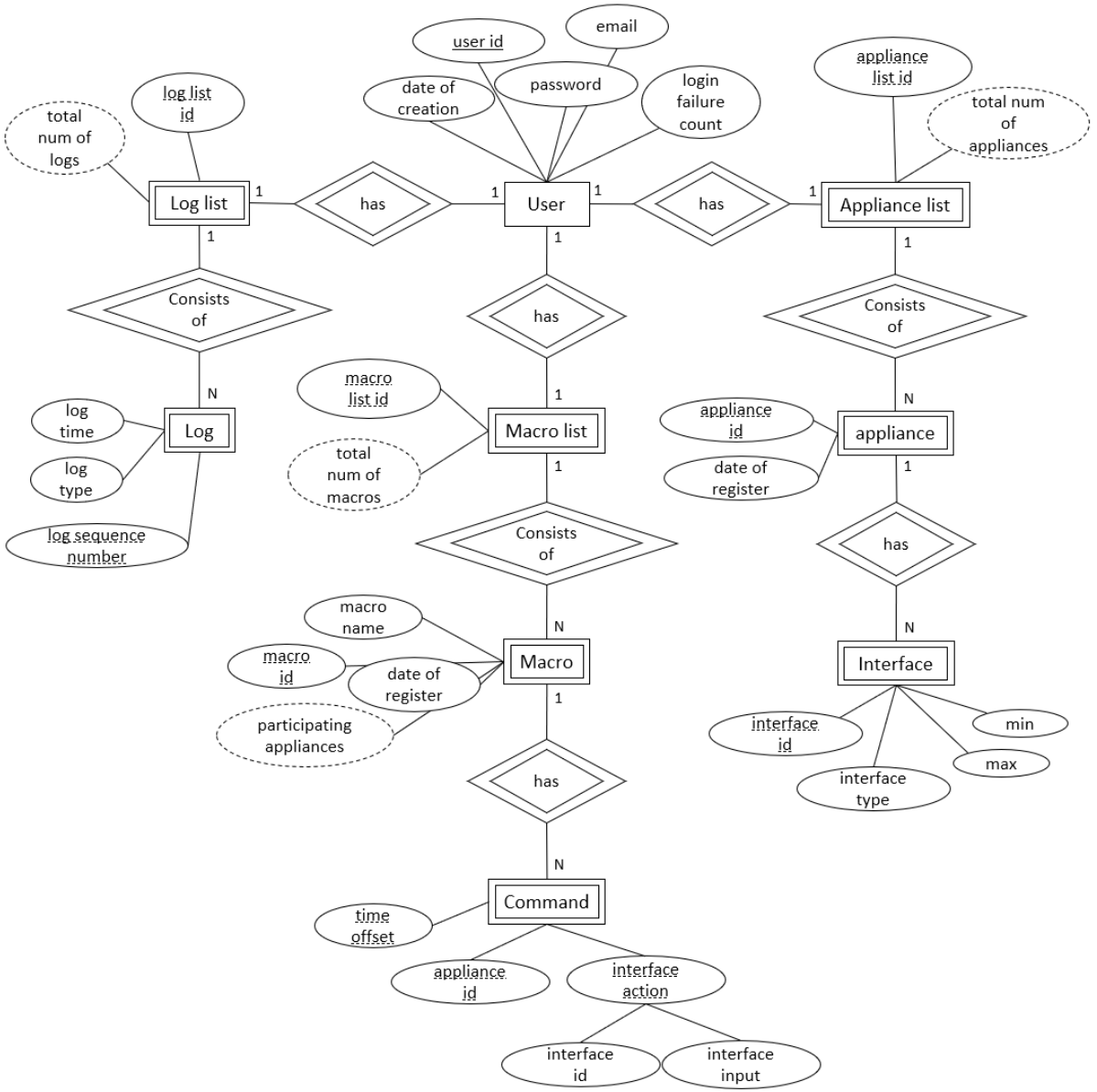


PART 4 Database

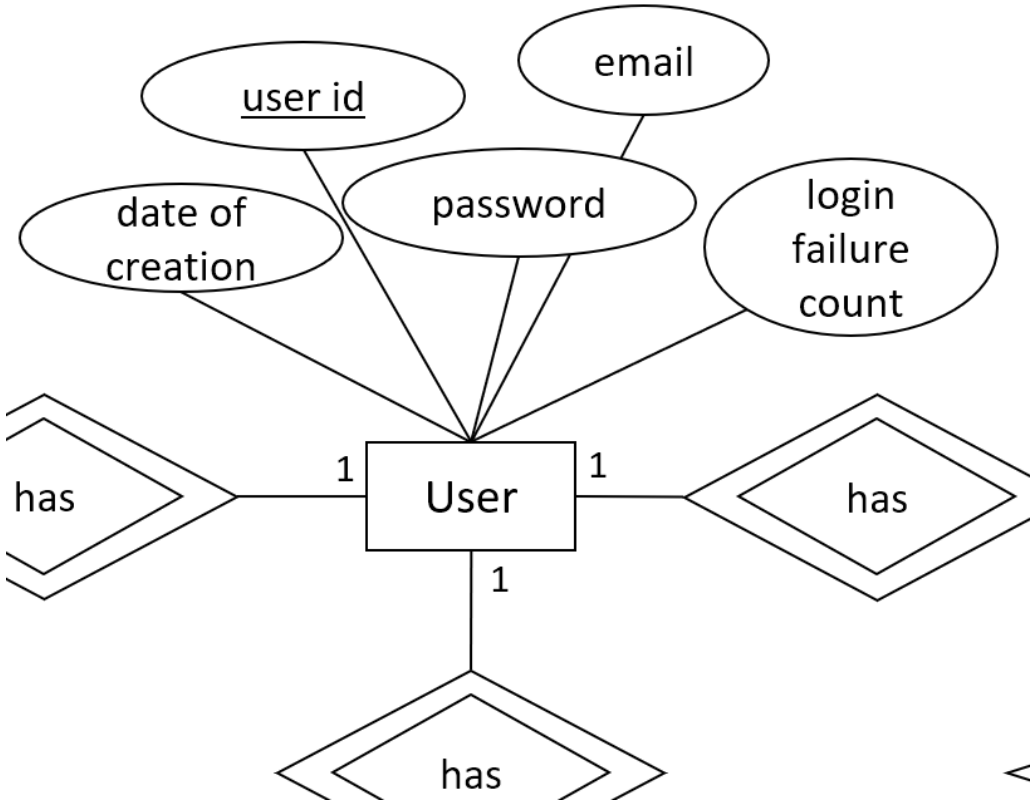
1. User
2. Appliance
3. Macro

04

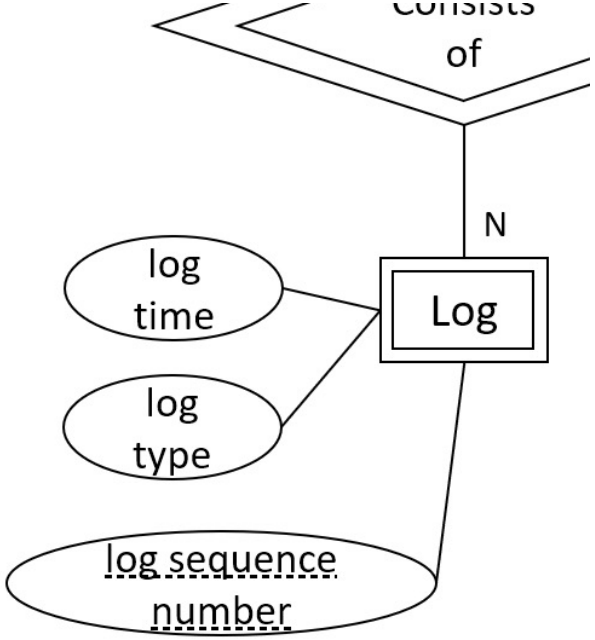
# Database
# Overview

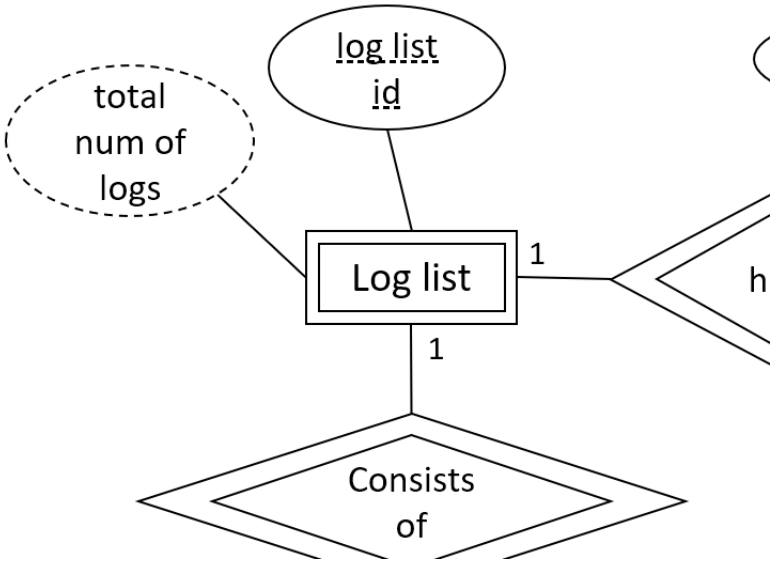


# User


email
user id
password
date of creation
login failure count
has
1
User
1
has
1
has

# Log & Loglist

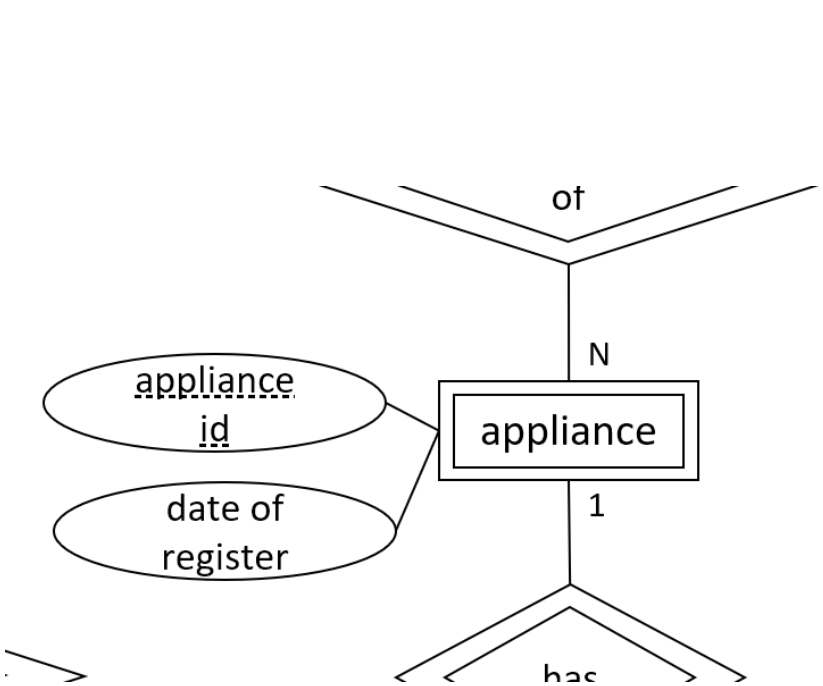

of
N
log
time
log
type
Log
log sequence
number

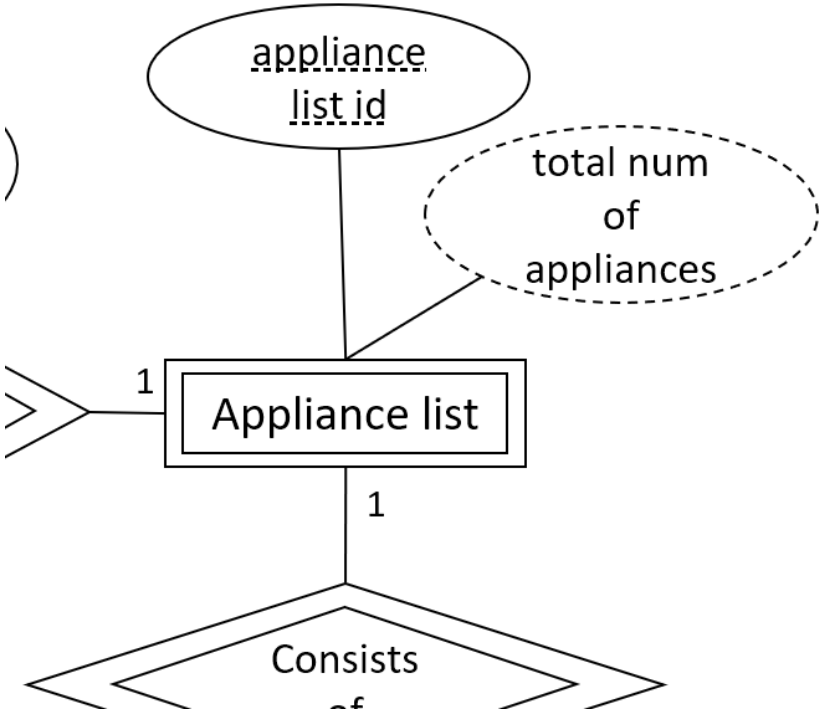

log list
id
total
num of
logs
Log list
1
1
Consists
of

04

Database

# Appliance & Appliance list



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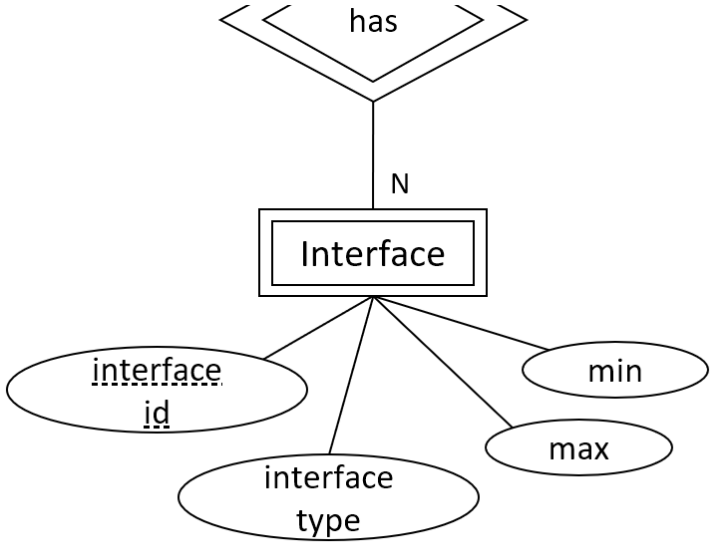
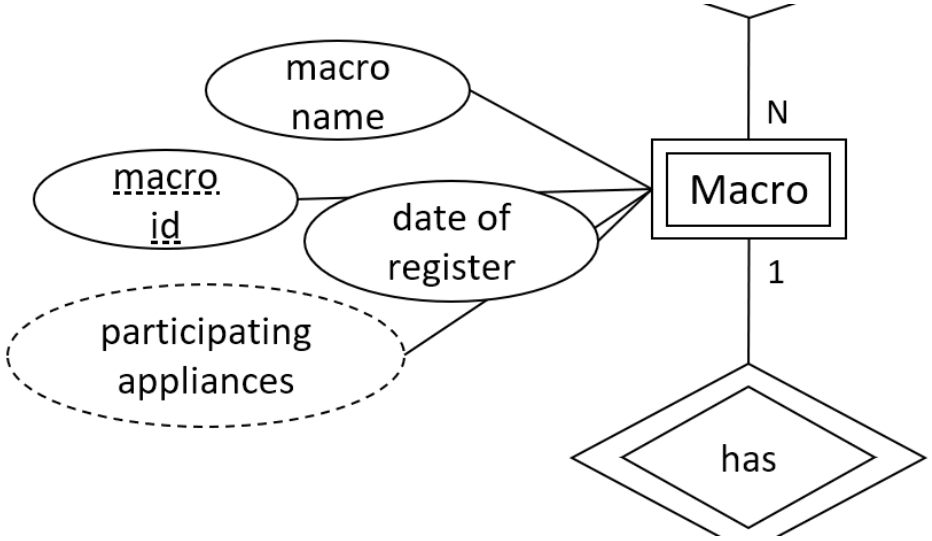
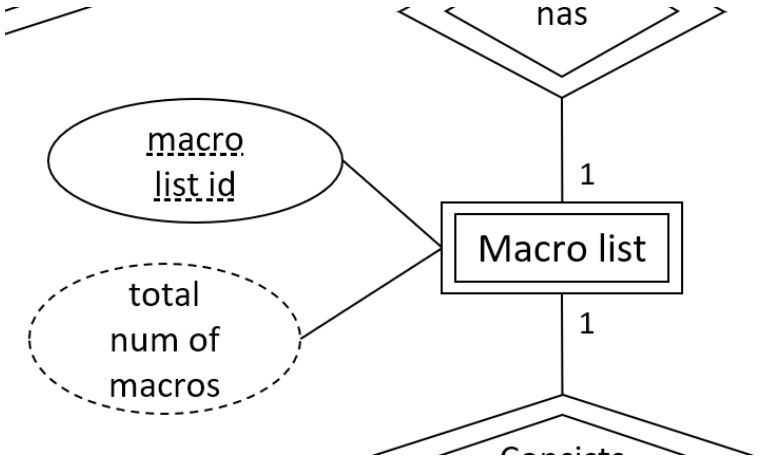


04

Database

# Macro & Macro List



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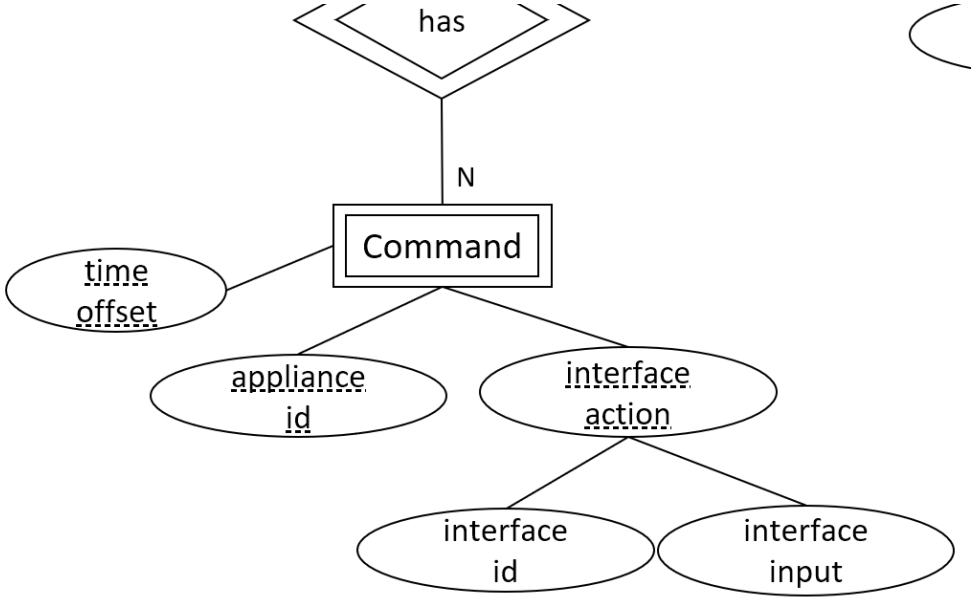
# Command



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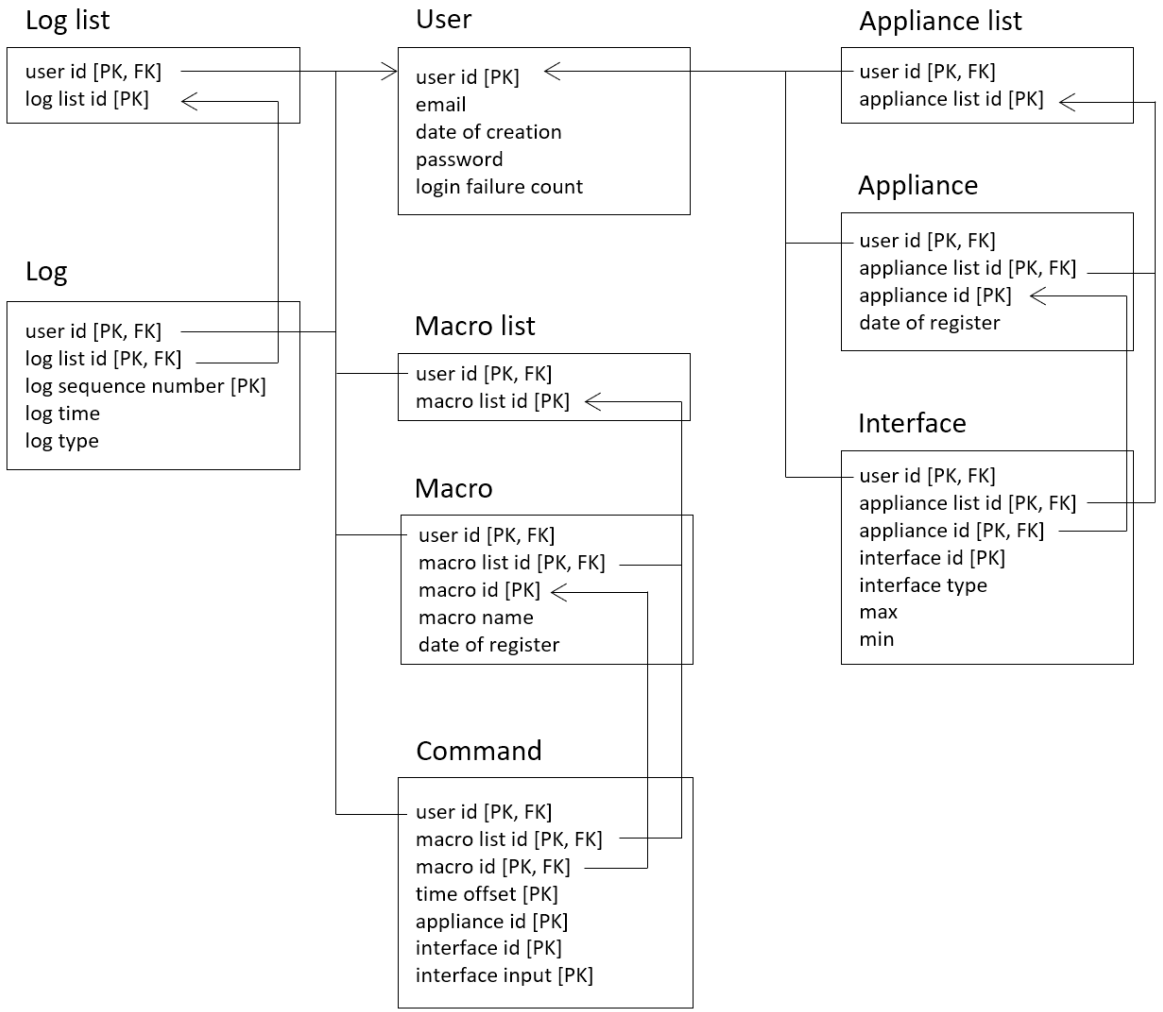
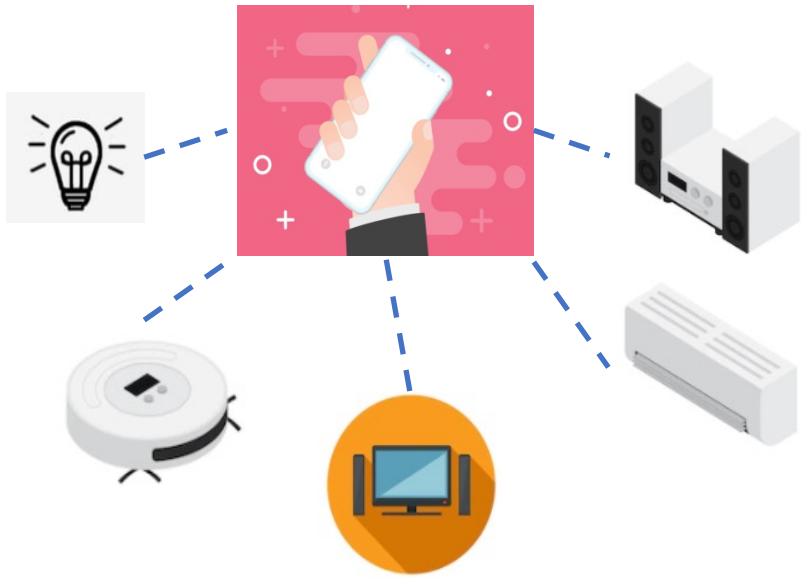


# Thank you



Team 12