

SE-340 GROUP WORK



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# COMMUNITY ACCESSING MANAGING SYSTEM

SE-340 GROUP WORK

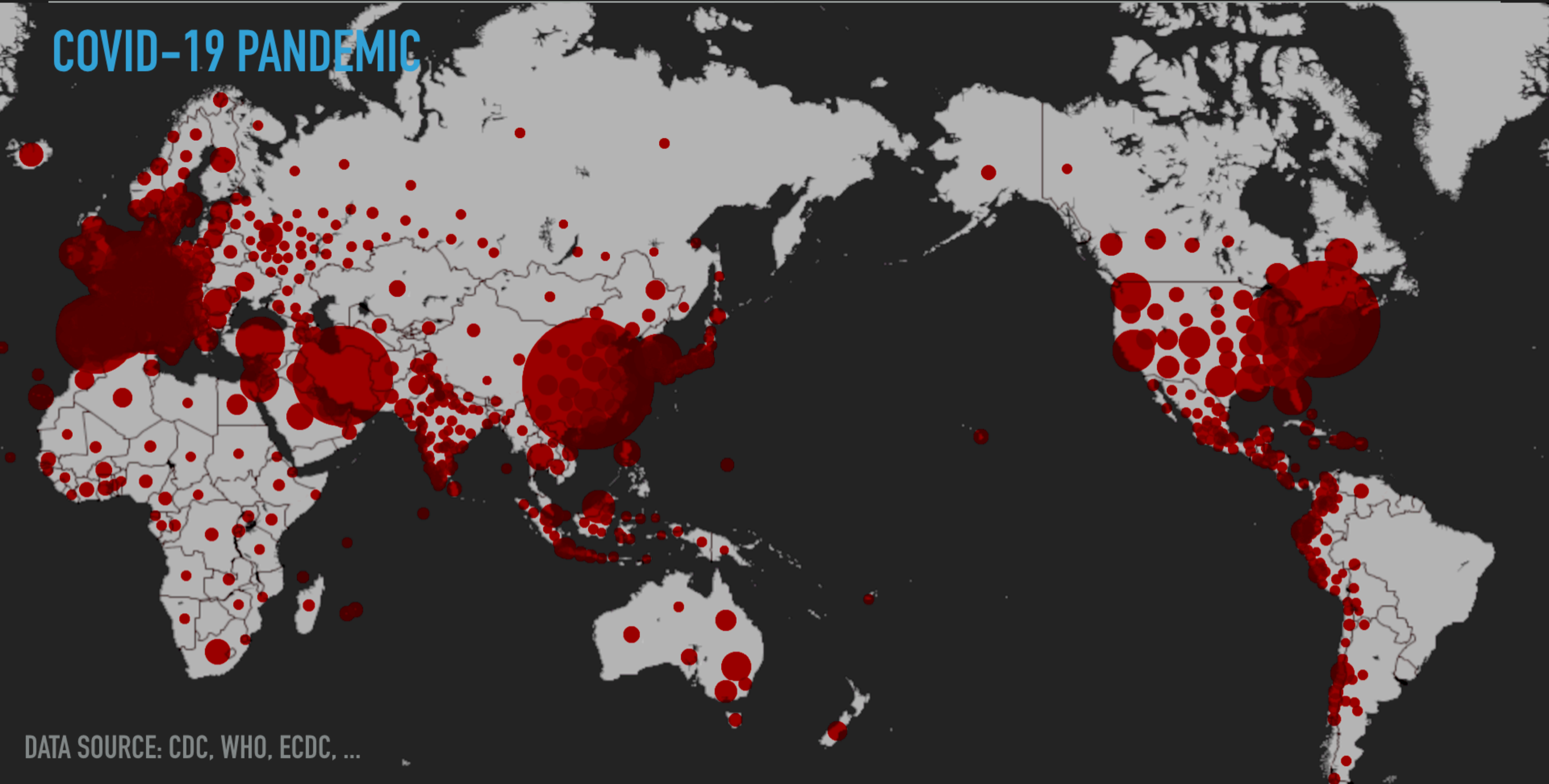
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# SURVEY REPORT

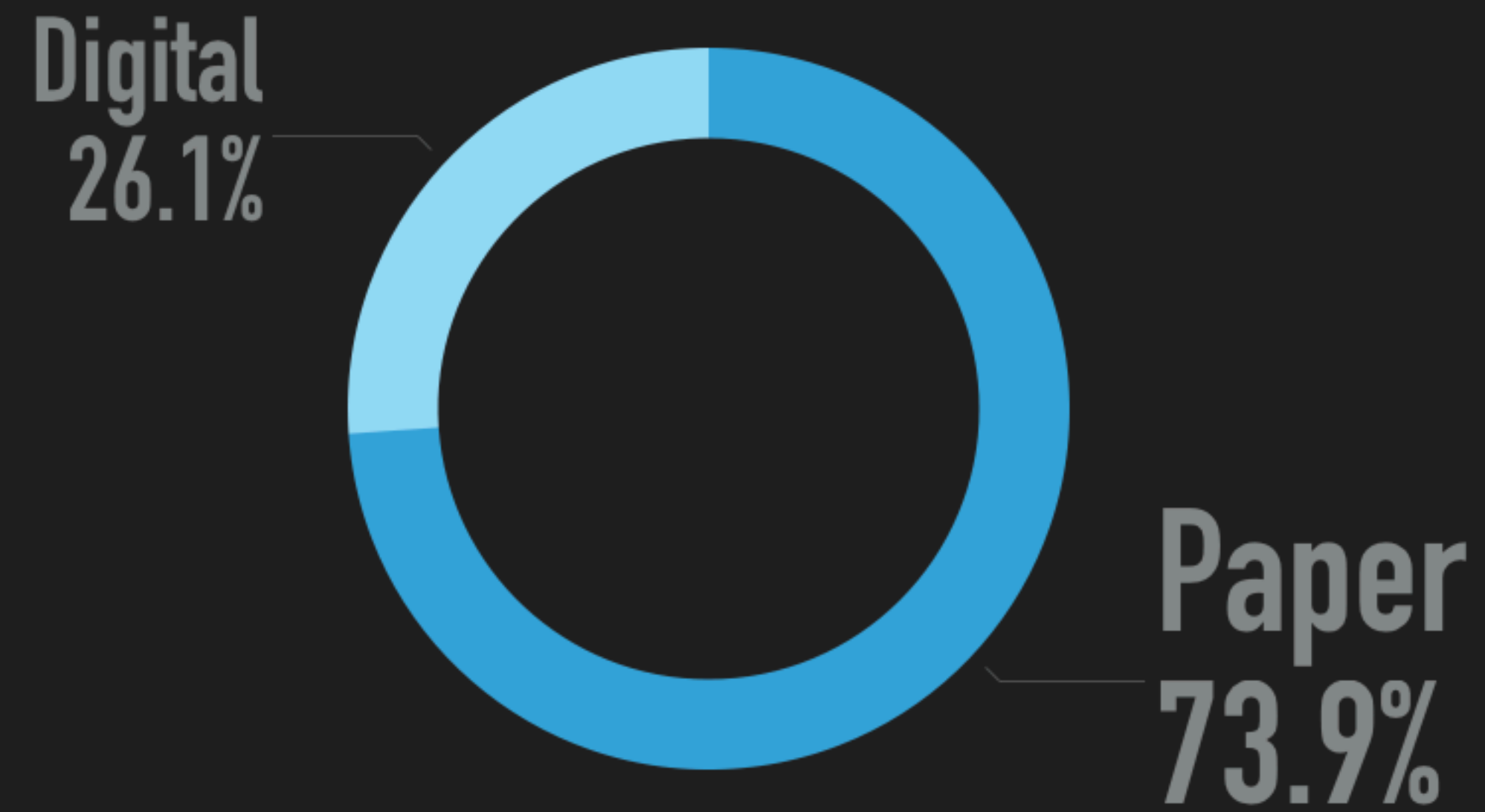
# CONTENTS

- ▶ SOCIAL BACKGROUND
- ▶ SURVEY DETAILS
- ▶ DATA ANALYSES

# COVID-19 PANDEMIC



## SURVEY RESULTS



COMMUNITY ACCESS TOKEN



## DATA ANALYSES

- ▶ HIGHER CONTACTING FREQUENCY
- ▶ MORE WORKING BURDENS ON COMMUNITY WORKERS

## TARGET USERS



**COMMUNITY  
DWELLERS**



**THE ELDERS**



**TEMPORARY  
ENTERINGS**

## TARGET USERS



**COMMUNITY  
GUARDS**



**ADMINISTRATIVE  
OFFICERS**



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# FID REPORT

## SYSTEM ARCHITECTURE

### SERVER

PROVIDE SERVICE VIA HTTP API

### CLIENT <sup>1</sup>

FOR DWELLERS

### CLIENT <sup>2</sup>

FOR COMMUNITY GUARDS

### CLIENT <sup>3</sup>

FOR SYSTEM SUPERVISORS

## CLIENT FOR COMMUNITY DWELLERS



**EDITING PERSONAL  
INFORMATION**



**PERSONAL  
ACCESSING REQUEST**



**RECEIVE COMMUNITY  
NOTIFICATIONS**

## CLIENT FOR COMMUNITY GUARDS

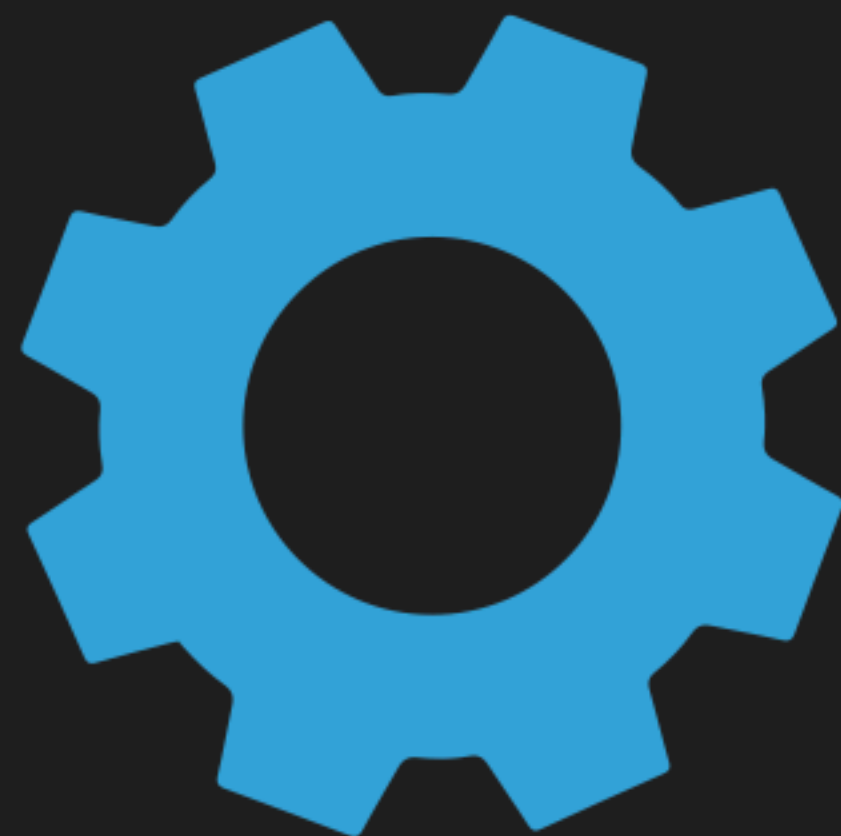


**APPROVE  
ACCESSING**



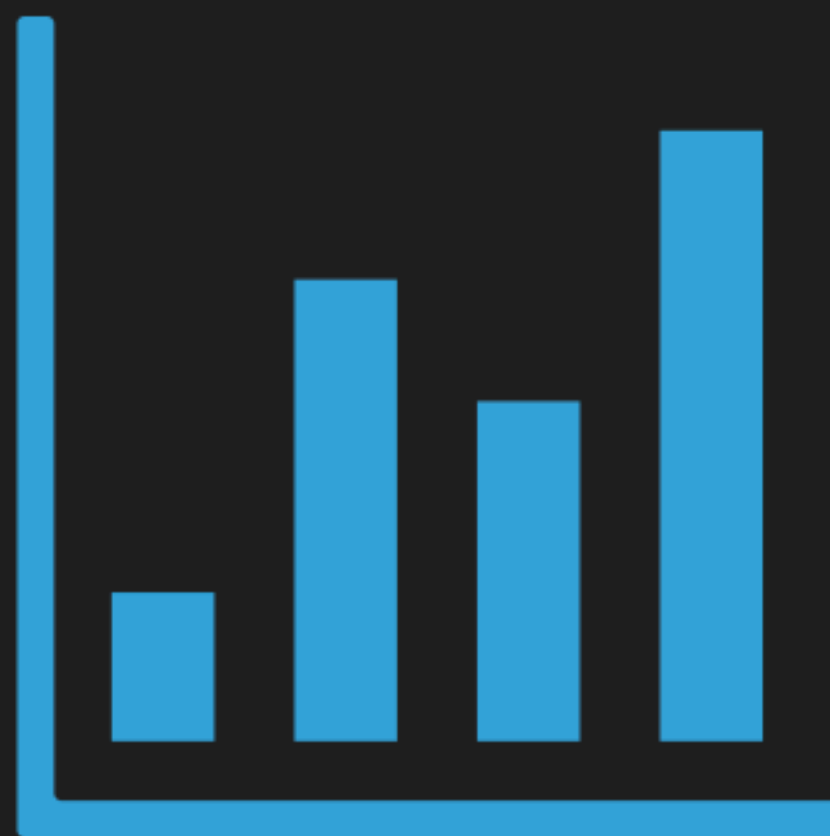
**HUMAN FACE  
COLLECTING**

## CLIENT FOR SUPERVISORS



**CONFIGURE**

**ACCESSING STRATEGY**



**DATA VISUALIZATION**



**USER**

**AUTHENTICATION**

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# BRIEF TECH REPORT



# CONTENTS

- ▶ **SYSTEM ARCHITECTURE**
- ▶ **DEVELOPING FRAMEWORK**
- ▶ **TECH HIGHLIGHTS**

# SYSTEM ARCHITECTURE

## SERVER

PROVIDE SERVICE VIA HTTP API

## CLIENT <sup>1</sup>

FOR DWELLERS

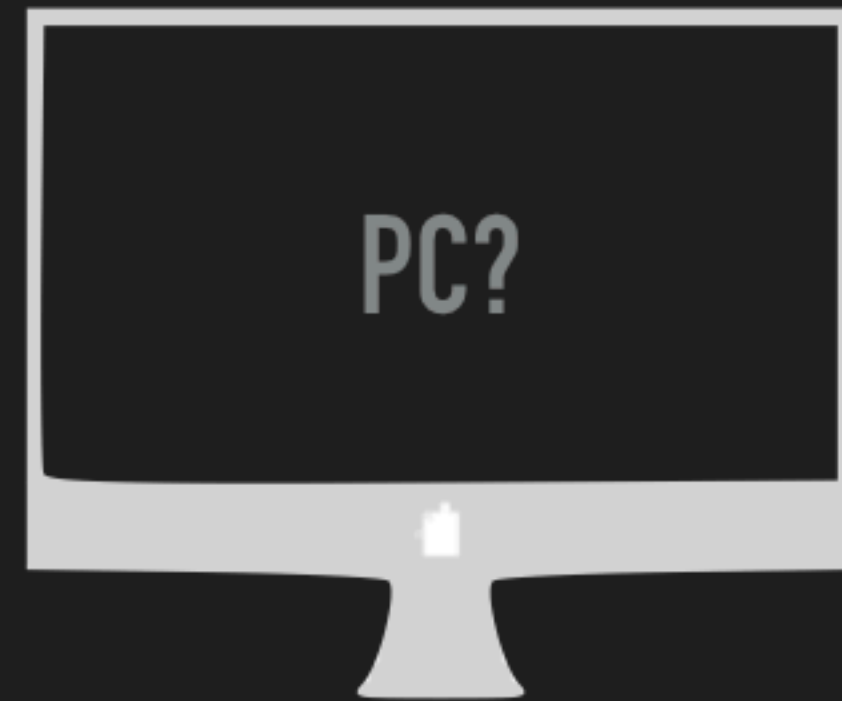
## CLIENT <sup>2</sup>

FOR COMMUNITY GUARDS

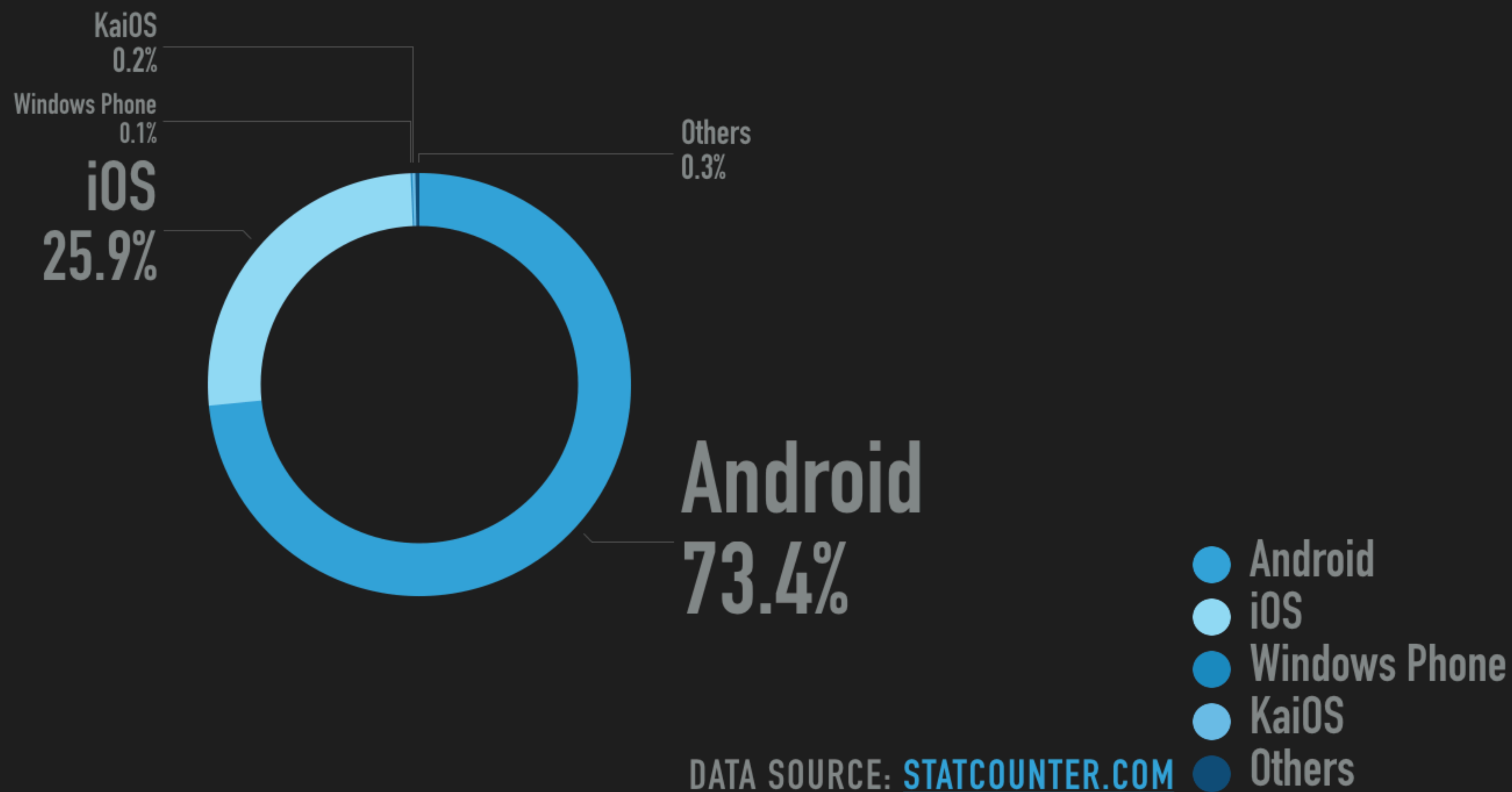
## CLIENT <sup>3</sup>

FOR SYSTEM SUPERVISORS

# CLIENT FOR COMMUNITY DWELLERS & GUARDS



## MOBILE OS MARKET SHARE IN 2019



## NATIVE DEVELOPING



**Android**  
Studio

Android SDK  
Kotlin / Java



Xcode  
Cocoa Touch  
Swift / Objective-C

## CROSS-PLATFORM FRAMEWORKS



Flutter



React Native





## MINI APPS



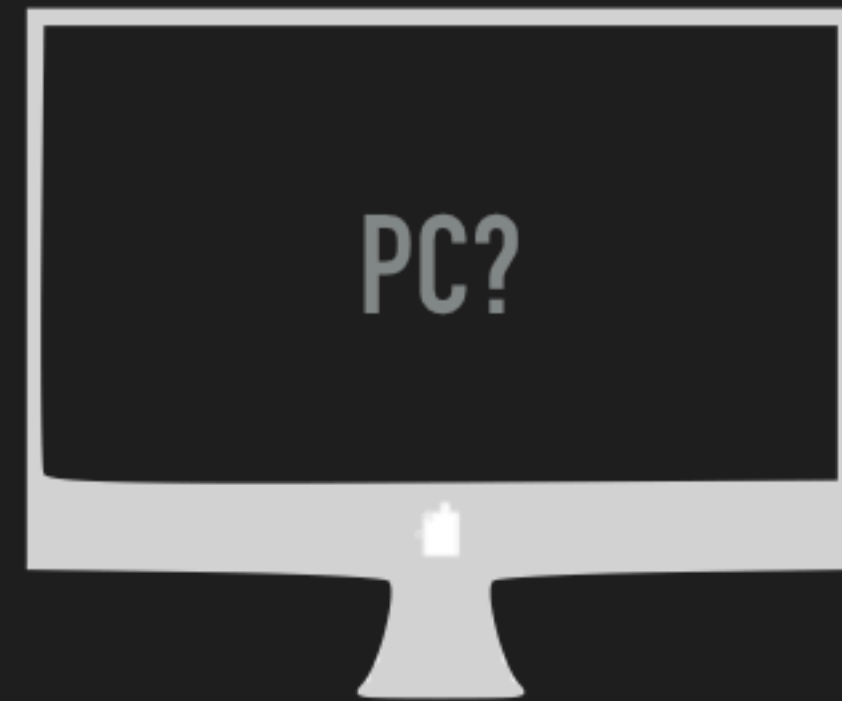
**WeChat Mini-Apps**



**Alipay Mini-Apps**



# CLIENT FOR SUPERVISORS



## WEB FRONT-END FRAMEWORK

TypeScript

+



Angular



React Native

## BACK-END FRAMEWORK



**Python**

Flask  
Tornado

...



**Java / Kotlin**

SpringBoot

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**THE END**