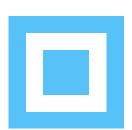
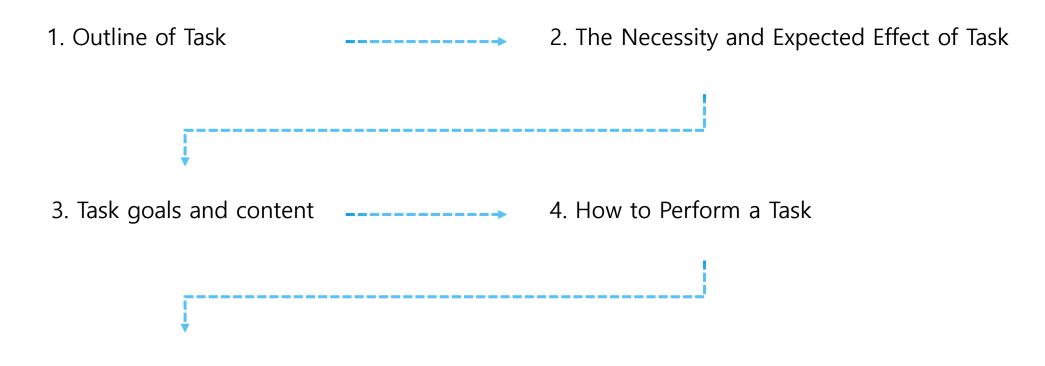


Team 4. GeonRyun Lee Yerim Chu JaeKyung You WooJoo You KyungTae Kang





5. Advance schedule

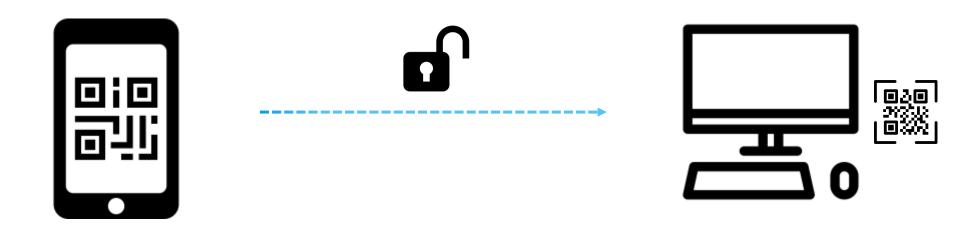


6. Expected effects and utilization measures

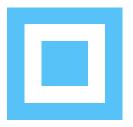
1. Outline of Task



1. Outline of Task

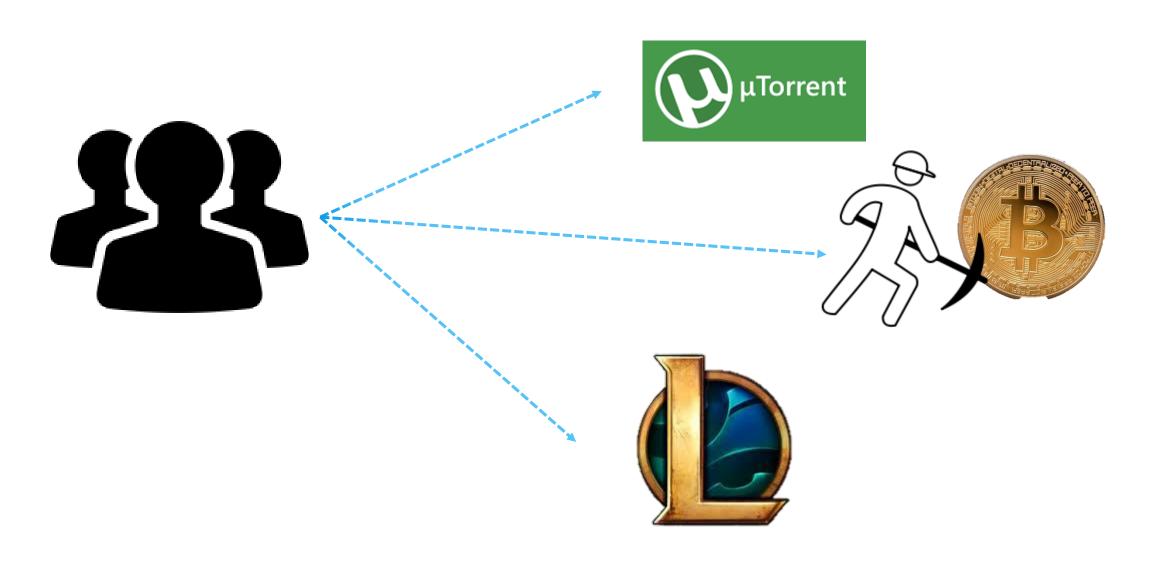


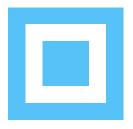
2. The Necessity and Expected Effect of Task



2. The Necessity and Expected Effect of Task

1) The Present Condition of Existing Technologies, Problems and Improvement Measures

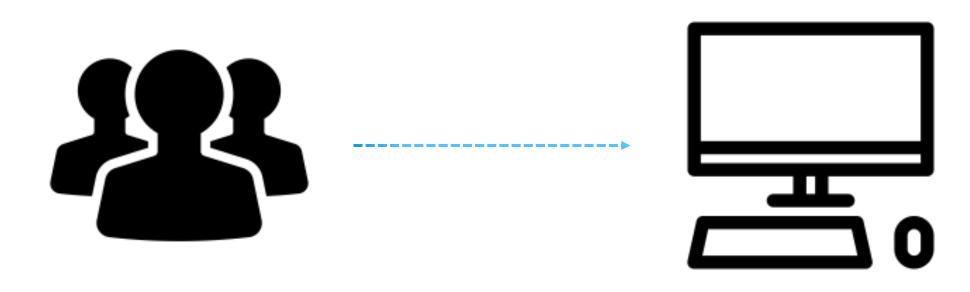


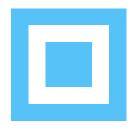


2. The Necessity and Expected Effect of Task

1) The Present Condition of Existing Technologies, Problems and Improvement Measures

Who Are You?





2. The Necessity and Expected Effect of Task

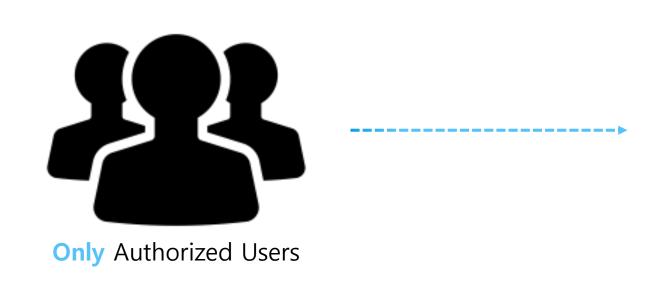
2) Expected effects due to task development or production

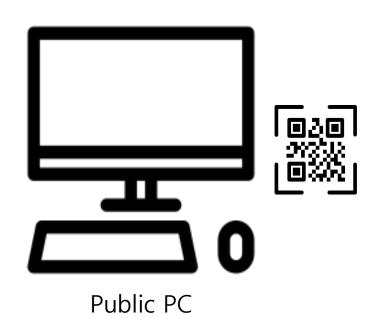


3. Task goals and content



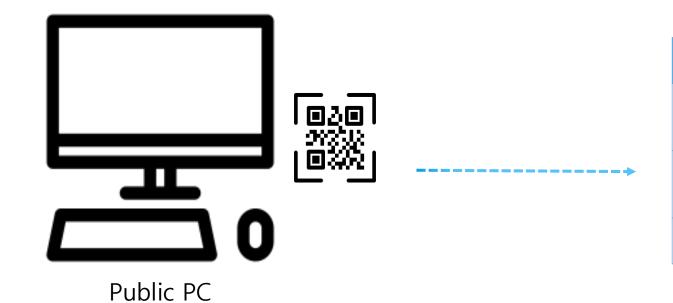
1-1) PC users







1-2) Manage by collecting PC logs

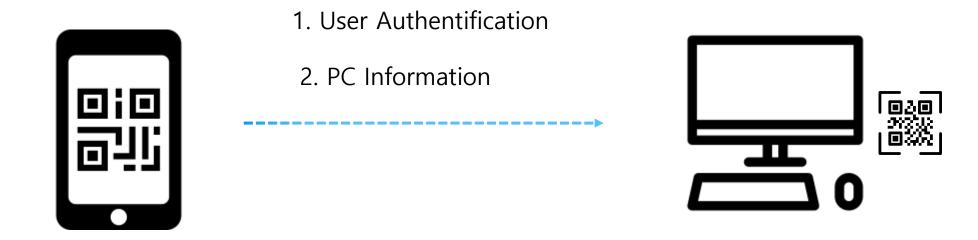


Index	Process	Start_proc
0	Chorme.exe	2019.04.18 132005
1	Cmd.exe	2019.04.18 135540

Log table



2-1) Smart Application



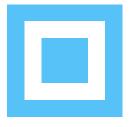
We will check your identity through smart phone application.



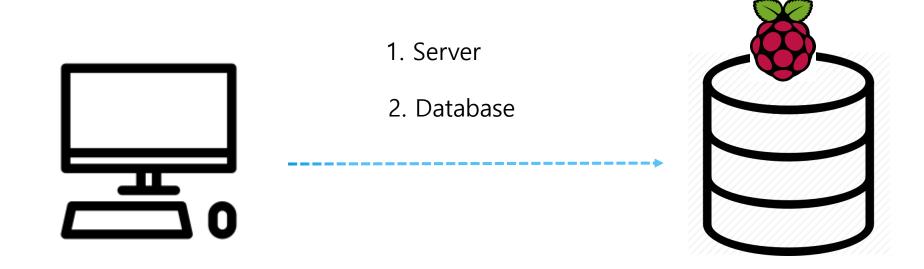
2-2) PC Remote control



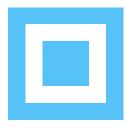
The PC in the public pc room can be remotely booted and the user can shut down the system if the pc is terminated.



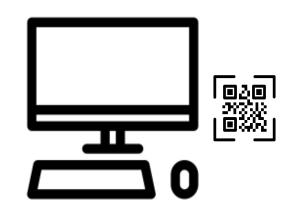
2-3) Raspberry Pi



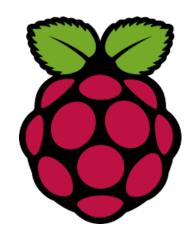
Applications will be installed on each PC to collect users' PC logs and send them to Raspberry Pi.



2-4) Manage Logs

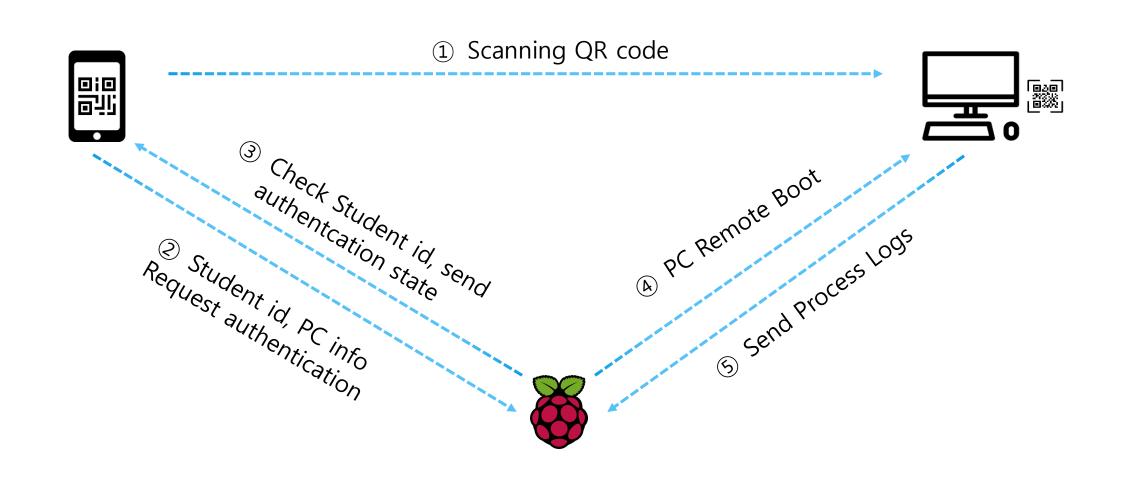




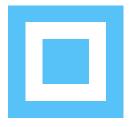




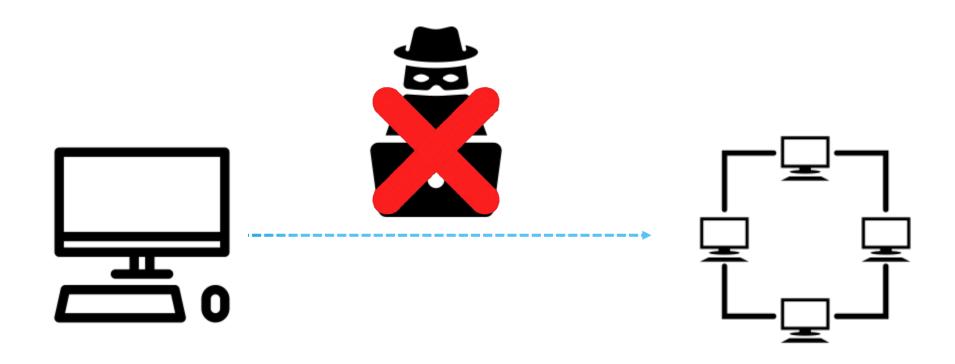
3) Summary



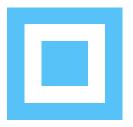
4. How to Perform a Task



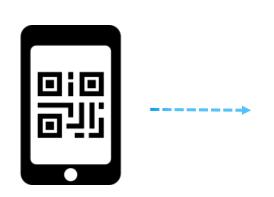
1) Task Performance

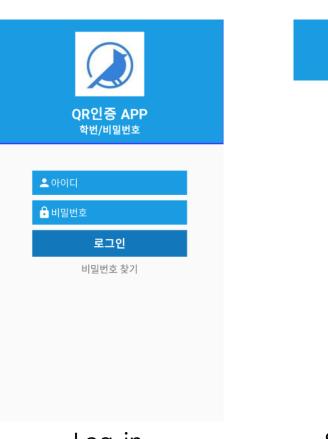


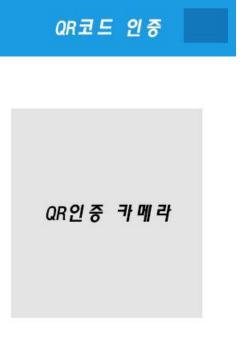
Prevents the user from using the PC indiscreetly.



2-1) Detail - Application









Log-in Scanning QR code

PC Information

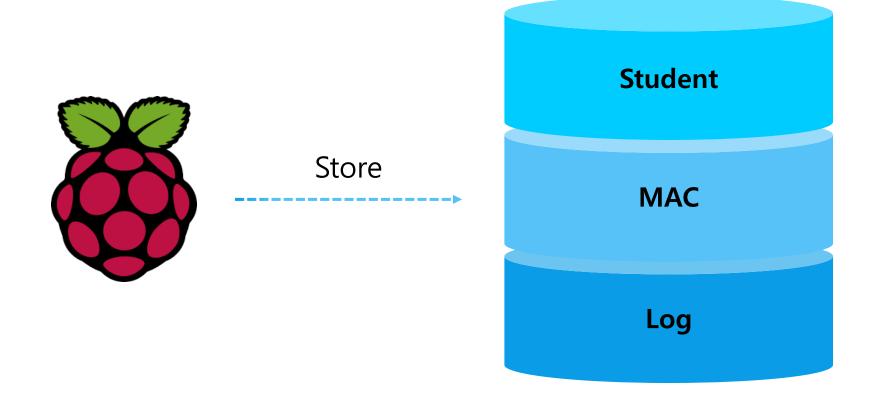


2-1) Detail - Application



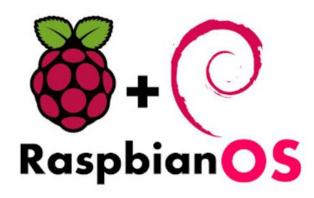


2-2) Detail – Raspberry Pi





2-2) Detail – Raspberry Pi



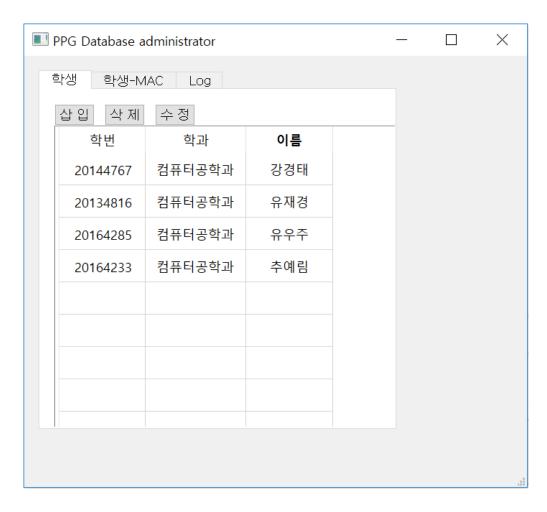
Raspbian install



Structure web server - Apache, MySQL, PHP



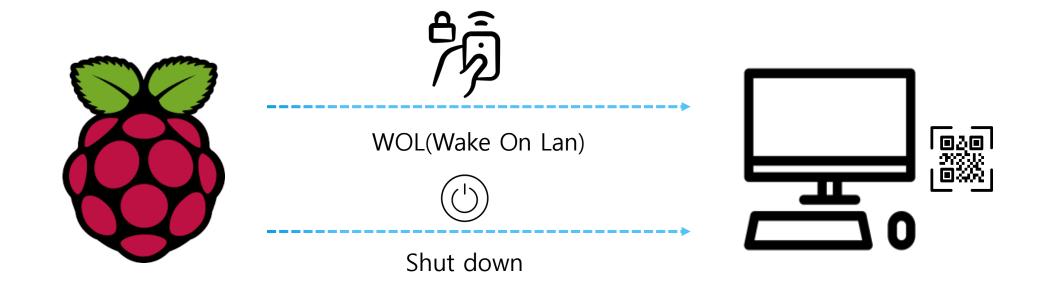
2-2) Detail – Raspberry Pi

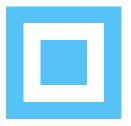


[PPG Database administrator]



2-3) Detail – PC Remote control



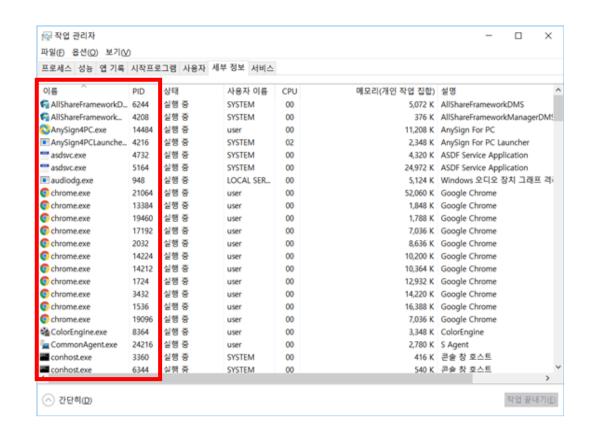


2-3) Detail – PC Remote control





2-4) Detail – PC Logs



C:\Users\user>tasklist			
이미지 이름	PID 세션 이	름 세션#	메모리 사용
System Idle Process	0 Services	s 0	8 K
System	4 Services		148 K
Registry	96 Services	s 0	21,944 K
smss.exe	376 Services		1,000 K
csrss.exe	544 Services		4,304 K
wininit.exe	636 Services	s 0	4,944 K
csrss.exe	644 Console	1	5,632 K
services.exe	716 Services		12,360 K
Isass.exe	736 Services	s 0	15,832 K
svchost.exe	844 Services		3,056 K
WUDFHost.exe	868 Services		11,144 K
svchost.exe	876 Services		27,444 K
fontdrvhost.exe	912 Services		2,488 K
svchost.exe	1016 Services		15,684 K
svchost.exe	404 Services	9	7,136 K



2-4) Detail – PC Logs

```
def tasklist():
    wmic = subprocess.check_output('wmic path win32_process get caption,creationdate', shell=True) #process 시작시간 저장
    wmic = wmic.decode('euc-kr')

return wmic
```



2-4) Detail – PC Logs

Output

```
Host : DESKTOP-6H67F89
MAC 1 : 00-50-56-C0-00-01
MAC 2 : 00-50-56-C0-00-08
MAC 3 : 00-C2-C6-D1-6F-37
```

```
else:
           if line.lstrip().startswith('터널'):
               isdevice = 0
           if line.lstrip().startswith('이더넷'):
               isdevice = 1
           if line.lstrip().startswith('무선'):
               isdevice = 1
           if isdevice == 1:
               if line.lstrip().startswith('미디어 상태'):
                   desc = line.split(':')[1].strip()
                   if desc == '미디어 연결 끊김':
                       isdevice = 0
               if line.lstrip().startswith('물리적'):
                   mac = line.split(':')[1].strip() #.replace('-',':')
                   arrinfo[mk] = mac
                   isdevice = 0
                   mk += 1
return arrinfo
```



2-4) Detail – PC Logs

Output

Caption	CreationDate
System Idle Process	20190416160553.816712+540
System	20190416160553.816712+540
Registry	20190416160551.552344+540
smss.exe	20190416160553.824067+540
csrss.exe	20190416160556.203471+540

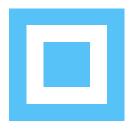
```
00-C2-C6-D1-6F-37 proc_name
                                                smss.exe start_proc :
                                                                       20190416160553
                 00-C2-C6-D1-6F-37 proc_name
                                                csrss.exe start_proc :
                 00-C2-C6-D1-6F-37 proc_name
        2 MAC
Index
                                                wininit.exe start_proc :
        3 MAC
                 00-C2-C6-D1-6F-37 proc_name
                                                                        20190416160553
Index
                                                csrss.exe start_proc :
                 00-C2-C6-D1-6F-37 proc_name
        4 MAC :
                                                winlogon.exe start_proc : 20190416160556
Index
                 00-C2-C6-D1-6F-37 proc_name :
                                                                           20190416160556
        5 MAC
                                                services.exe start_proc :
```

5. Advance Schedule

5. Advance Schedule

Schedule																
	3			4			5				6					
Week	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Ter m
Idea Conference																2W
Android App Develope																4W
Raspberry Pi Server Develope														6W		
Database Design																3W
PC Remote Boot / Control Application																5W
PC Log gathering and Transfer Application																5W
Synchronizing Raspberry Pie Android App / PC App																4W
Prototype Test																2W
Final Check / Presentation																2W

6. Expected effects and utilization measures



6. Expected effects and utilization measures

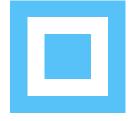
Effect

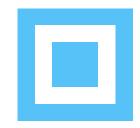
Reduce administrative burden

Use of public institutions

An increase in student responsibility

Application of Smart home system





Thank you for Listening!

Contact: https://github.com/chuyr/Cap4team_2019

