

IoT 제작

주 정 인

# Open API

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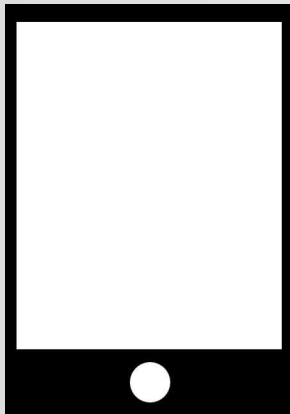
01

## 상 세 일 정

7/1	2	3	4	5	6	7
Open API 구조 확립 (~13)						
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

02

## 최 종 목 적



Smart Device

1. Bluetooth\_connect
2. Bluetooth\_list
3. WIFI\_connect
4. WIFI\_list
5. WEB\_connect



WEB SERVER

1. LOG\_time



IoT Platform

1. Bluetooth\_connect
2. WIFI\_connect
3. wire\_PIN

» 편리한 개발 환경

## function

Bluetooth\_connect

Bluetooth\_list

WIFI\_connect

WIFI\_list

WEB\_connect

LOG\_time

wire\_PIN

## Action

App과 IoT의 bluetooth 연결 요청

Device에 연결된 bluetooth 장비 목록 읽기

App과 IoT의 WIFI 연결 요청

Device에 연결 가능한 WIFI 목록 읽기

App 실행시 Web 연결

시간형식에 맞는 log data 읽기

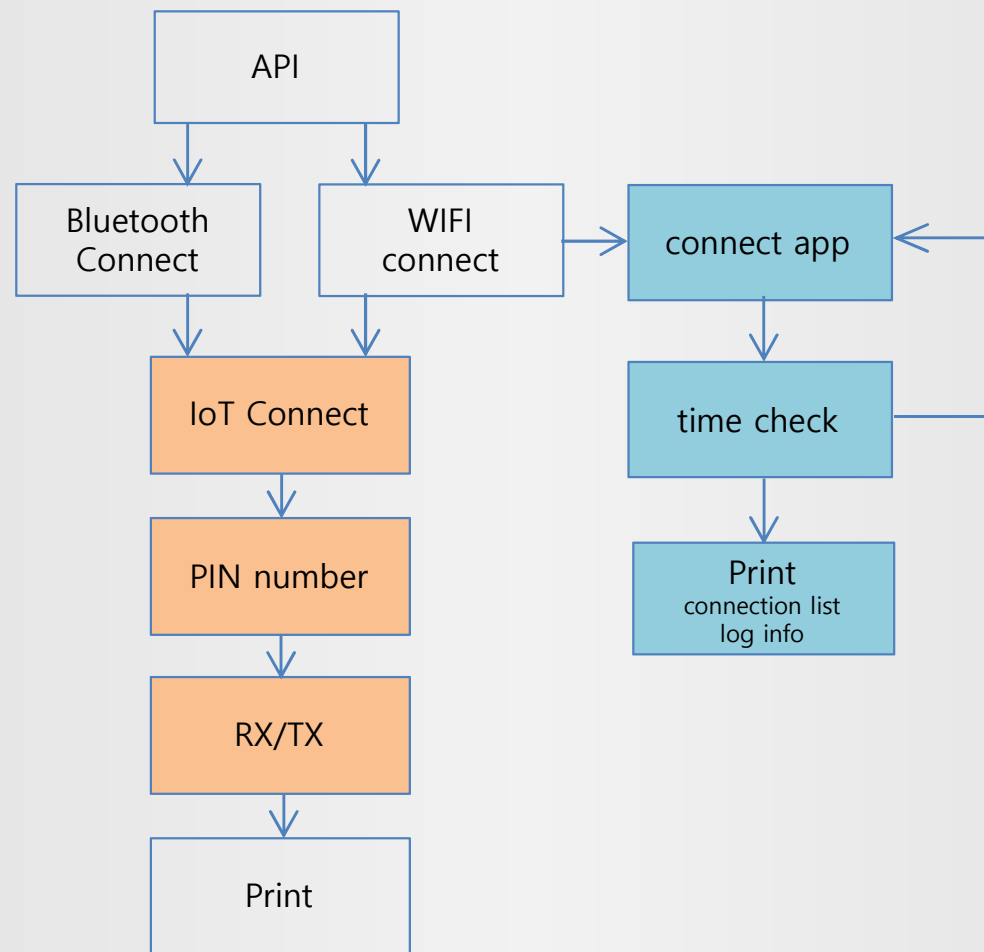
IoT 장비에 연결된 핀 목록 출력

03

모 델



## API model

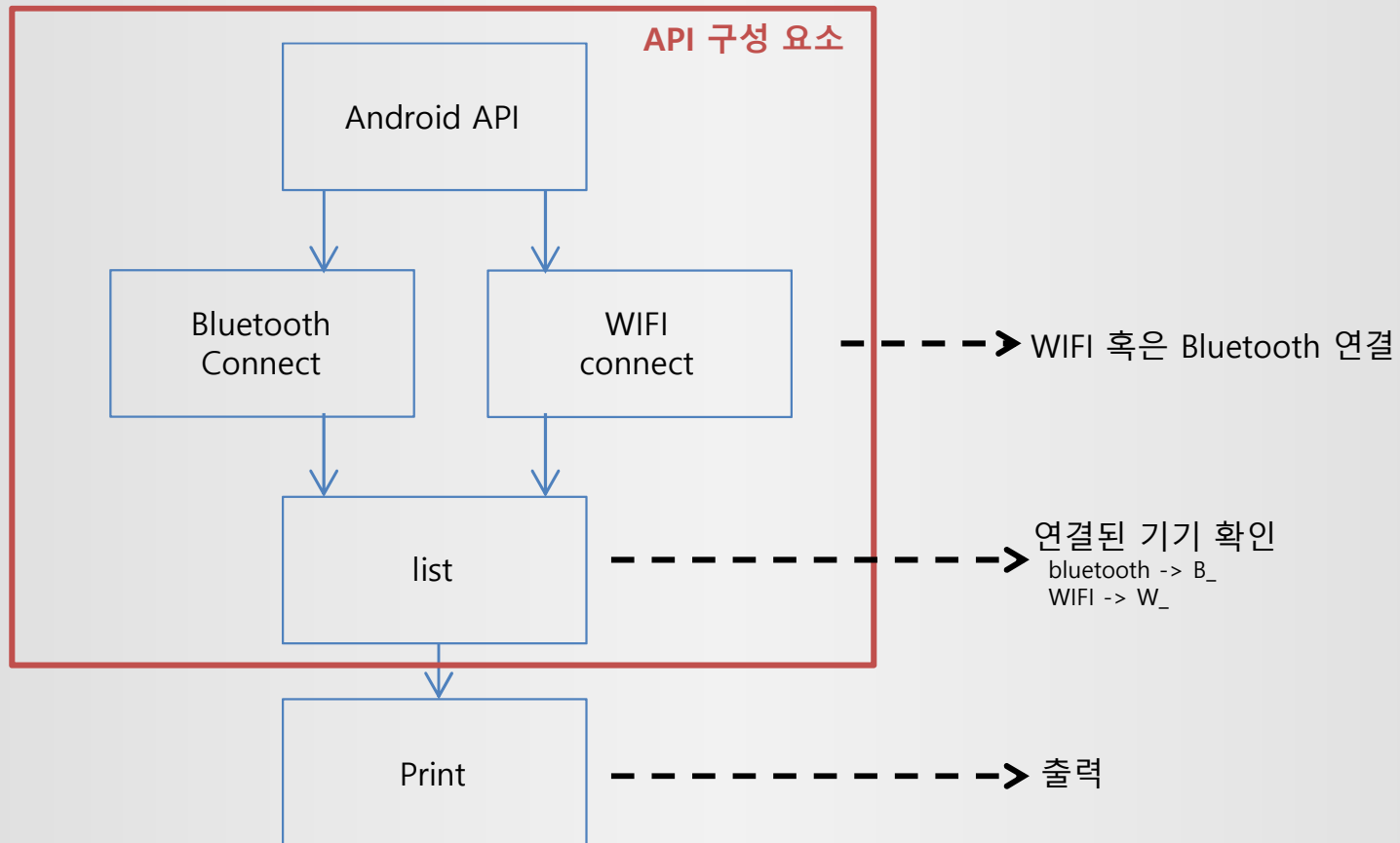


Android

Web

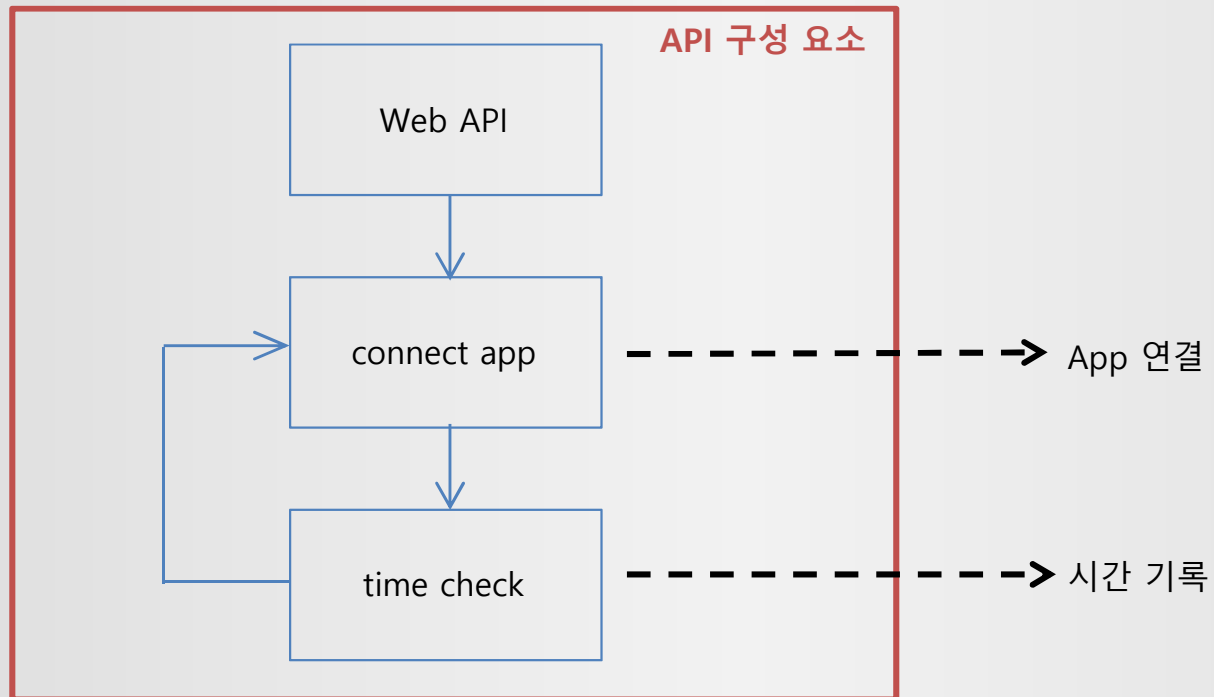
IoT Platform

## Application API model



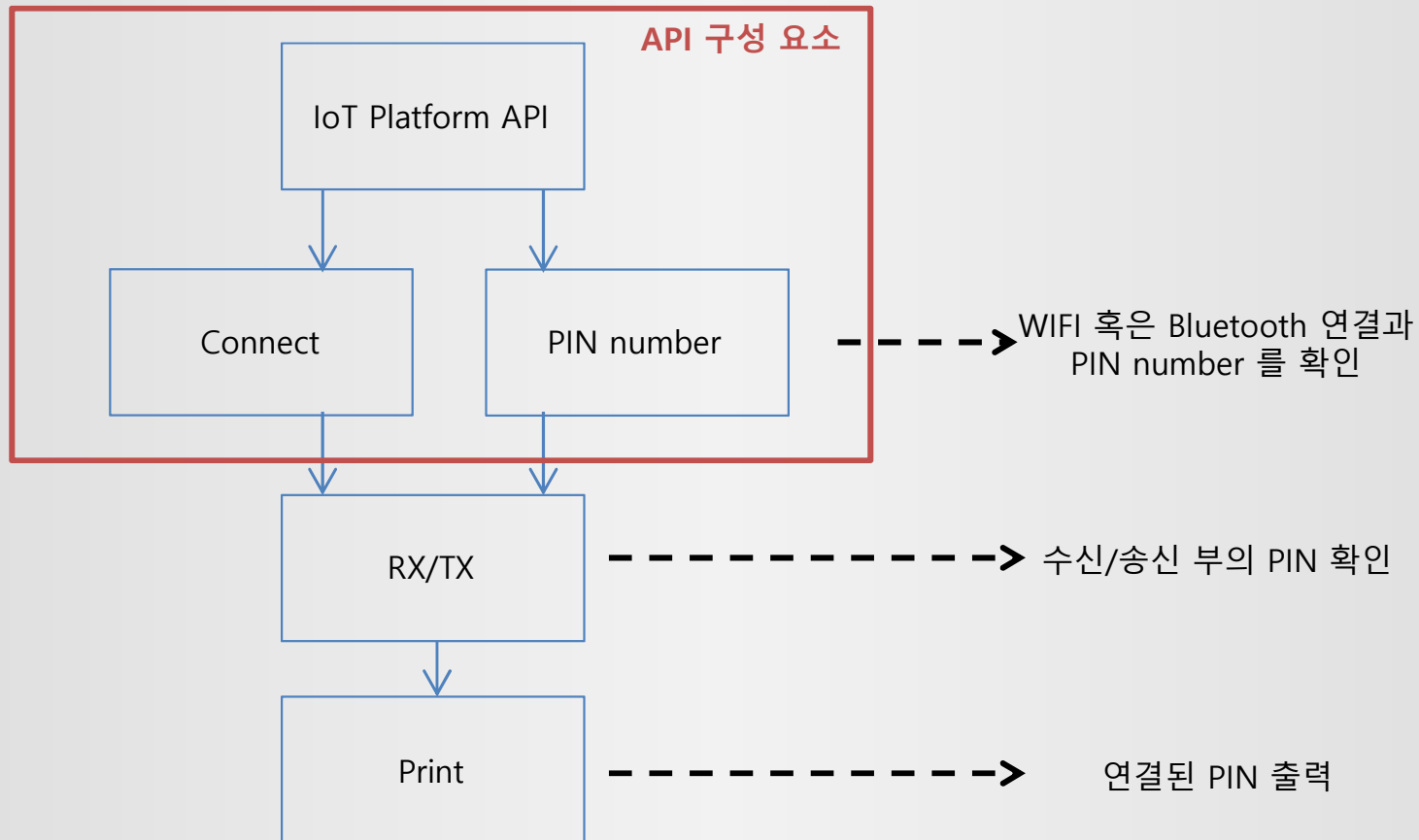
» App 연결 정보 확인

## Web API model



» App 변동 Log 기록

## IoT API model



» IoT의 연결 정보 확인

04

## Git repository 생성

## Git



Jujungin

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Type: All ▾

Language: All ▾

[New](#)

### Project3

Forked from myparkmk/Project3

● HTML 3 Updated 28 days ago



### Project2-1

Forked from myparkmk/Project2

● C 3 Updated on May 14



## Git

## Create a new repository

A repository contains all the files for your project, including the revision history.

Owner



Jujungin ▾

Repository name

open\_api



Great repository names are short and memorable. Need inspiration? How about [legendary-goggles](#).

Description (optional)



Public

Anyone can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.

☐ Initialize this repository with a README

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: None ▾


Add a license: None ▾



Create repository

## Git

## Quick setup — if you've done this kind of thing before

 Set up in Desktop or **HTTPS** **SSH**

We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

## ...or create a new repository on the command line

```
echo "# open_api" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/Jujungin/open_api.git
git push -u origin master
```


## ...or push an existing repository from the command line

```
git remote add origin https://github.com/Jujungin/open_api.git
git push -u origin master
```

## ...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

[Import code](#)

 **ProTip!** Use the URL for this page when adding

```
MINGW64:/c:/Users/Jujungin/Documents/workspace/open_api
jujungin@DESKTOP-SDHTNR6 MINGW64 ~/Documents/workspace/open_api (master)
$ echo "# open_api" >> README.md

jujungin@DESKTOP-SDHTNR6 MINGW64 ~/Documents/workspace/open_api (master)
$ git init
Initialized empty Git repository in C:/Users/jujungin/Documents/workspace/open_a
pi/.git/

jujungin@DESKTOP-SDHTNR6 MINGW64 ~/Documents/workspace/open_api (master)
$ vim README.md

jujungin@DESKTOP-SDHTNR6 MINGW64 ~/Documents/workspace/open_api (master)
$ git add README.md
warning: LF will be replaced by CRLF in README.md.
The file will have its original line endings in your working directory.

jujungin@DESKTOP-SDHTNR6 MINGW64 ~/Documents/workspace/open_api (master)
$ git commit -m "first commit"
[master (root-commit) ba3e7c4] first commit
1 file changed, 5 insertions(+)
create mode 100644 README.md

jujungin@DESKTOP-SDHTNR6 MINGW64 ~/Documents/workspace/open_api (master)
$ git remote add origin https://github.com/Jujungin/open_api.git

jujungin@DESKTOP-SDHTNR6 MINGW64 ~/Documents/workspace/open_api (master)
$ git push -u origin master
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 262 bytes | 262.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/Jujungin/open_api.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

jujungin@DESKTOP-SDHTNR6 MINGW64 ~/Documents/workspace/open_api (master)
$
```



## Git

Jujungin / open\_api

Watch 0

Star 0

Fork 0

Code

Issues 0

Pull requests 0

Projects 0

Wiki

Insights

Settings

No description, website, or topics provided.

Edit

[Add topics](#)

1 commit

1 branch

0 releases

1 contributor

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download



Jujungin first commit

Latest commit ba3e7c4 3 minutes ago



README.md

first commit

3 minutes ago

README.md

# open\_api

make open api

1. application
2. web server
3. IoT