

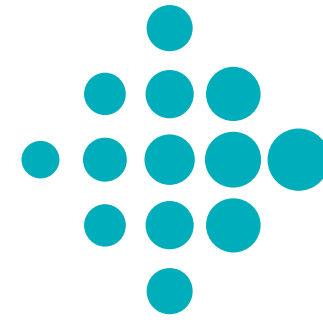
Frédéric Harper

Senior Developer Evangelist @ Fitbit

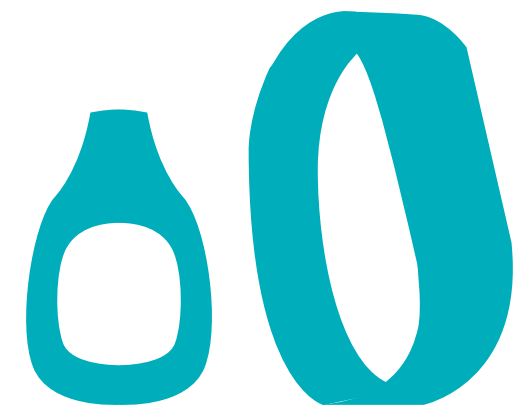
@fharper

# HLTH Hackathon Fitbit Challenge





Fitbit is the #1 wearable brand  
used by people trying to lose weight,  
sleep better and improve heart health.



**76+M** Devices  
Sold to Date



**86** Countries



**50+M** Registered  
Device Users


**We want to make everyone  
in the world healthier**

# HLTH Hackathon Challenge

- **\$10,000 USD** to be split amongst the team
- **build an app** to help individuals better manage their day-to-day life with one of those conditions
  - diabetes
  - heart
  - sleep
  - mental health
- by using the **Fitbit OS SDK** or the **Web API**



# dev.fitbit.com



developer

Getting StartedBuildManageCommunity

## You'll **fit** in here

Using JavaScript, CSS, and SVG, developers now have a fast, easy way to build apps and clock faces for Fitbit OS.

LEARN MORE

## It's time for a change

The clock face is your new canvas.

LEARN MORE



SDK

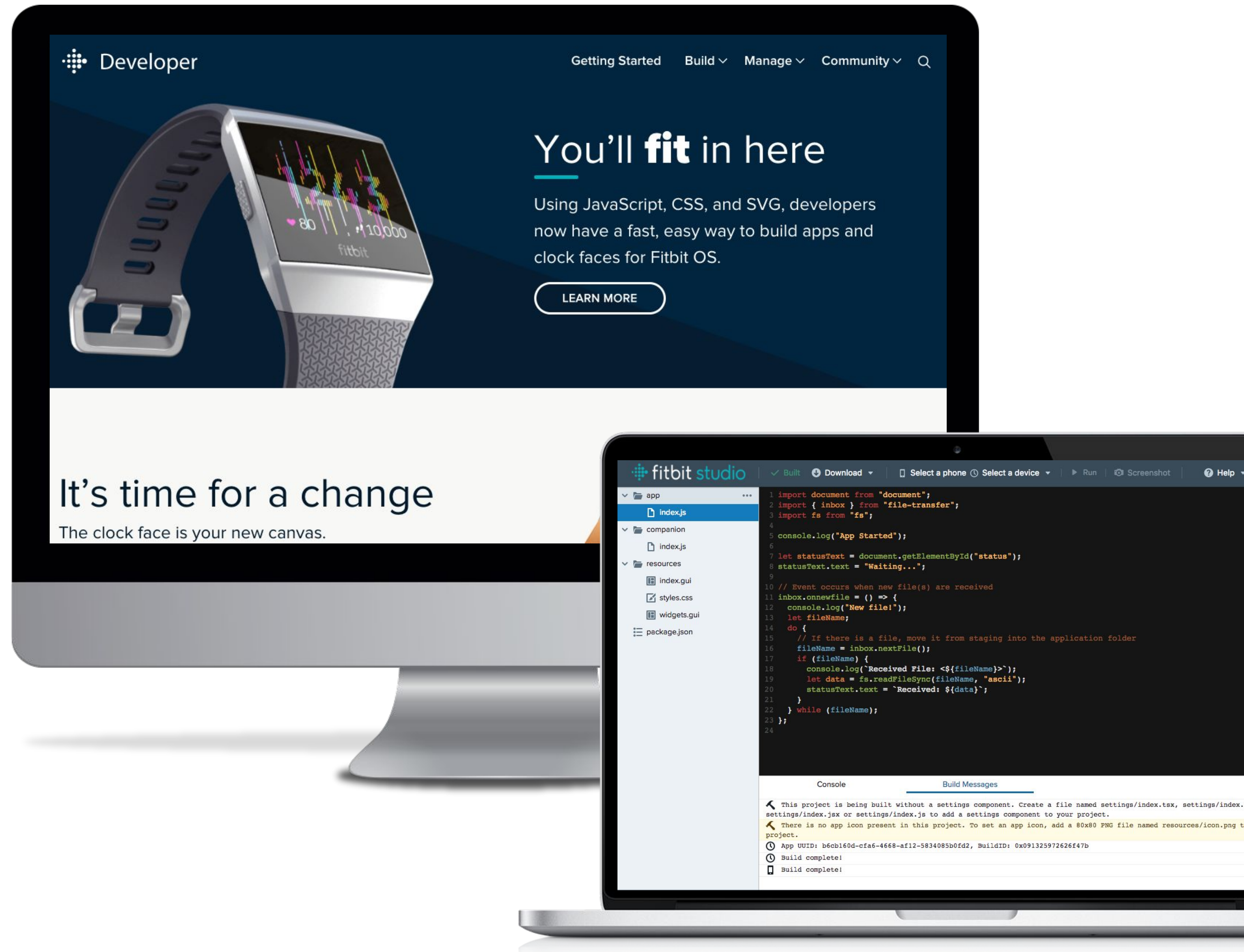






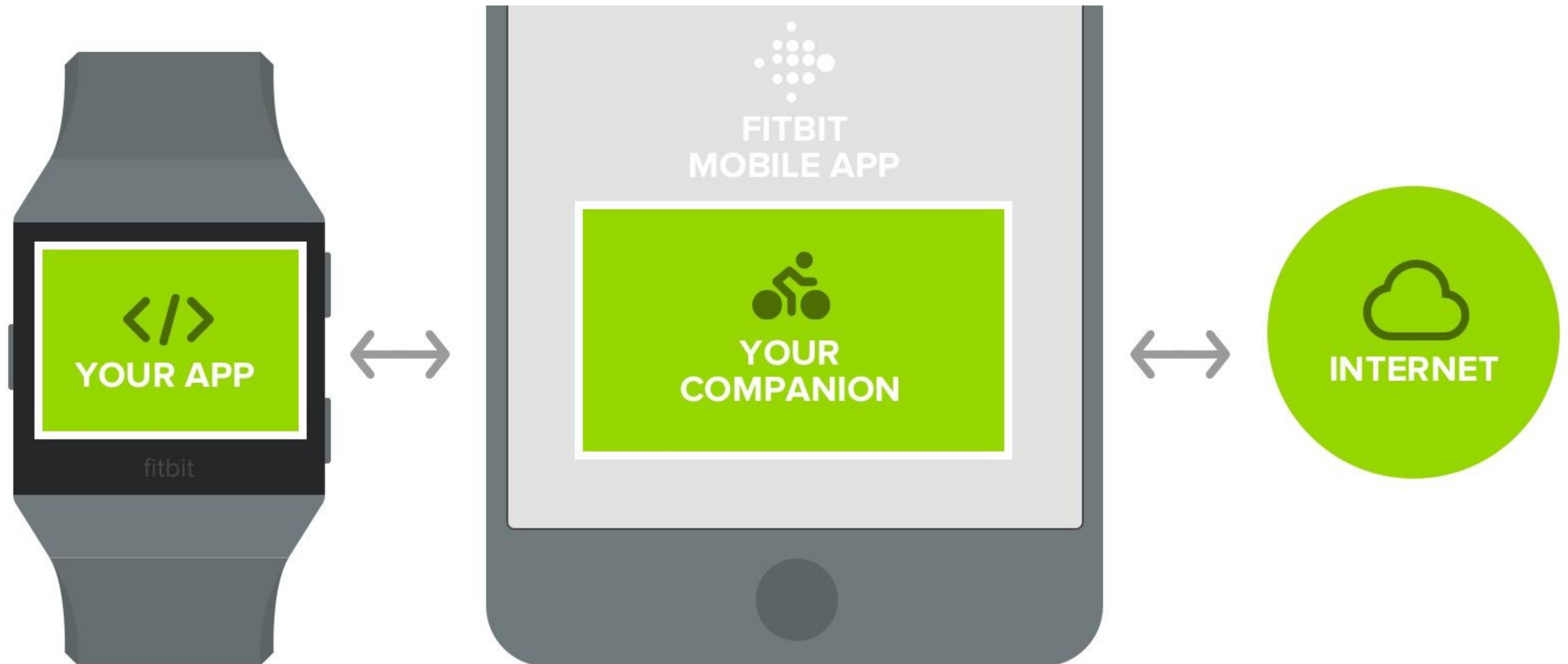
# Developer Platform

- Standards based SDK with JavaScript, SVG & CSS
- Easily create apps from anywhere with Fitbit Studio
- Simulator available on macOS & Windows





# Platform Architecture



# Platform Architecture

## Fitbit OS devices

Device API

Hardware  
Sensors

File  
System

Messaging

File  
Transfer

User  
Profile

User  
Activity

User  
Settings

Power

GPS

Clock

Buttons

Touch

Display

Haptics



## Mobile

Companion API

Messaging

File  
Transfer

GPS

Fetch

Local  
Storage

Device

User  
Settings

Life Cycle

Settings API

Settings

oAuth

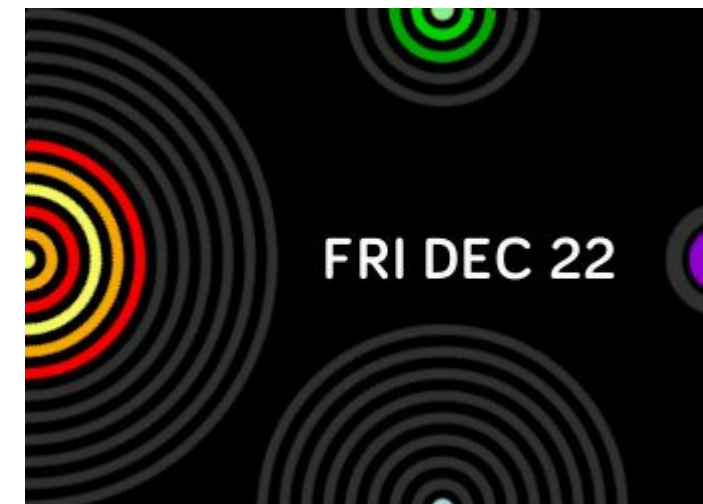
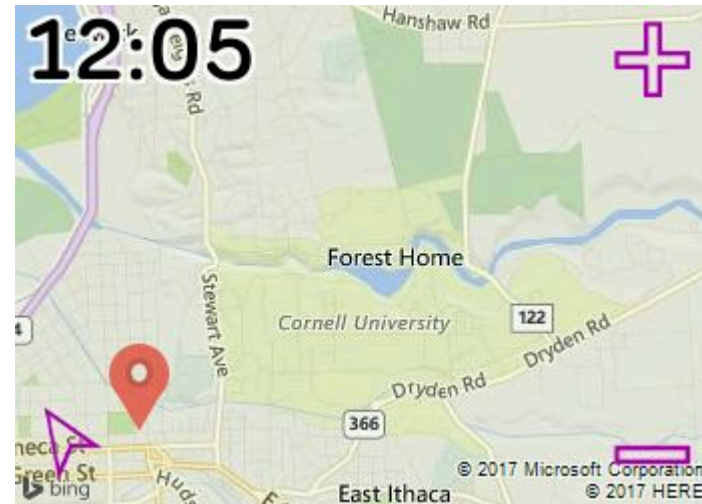
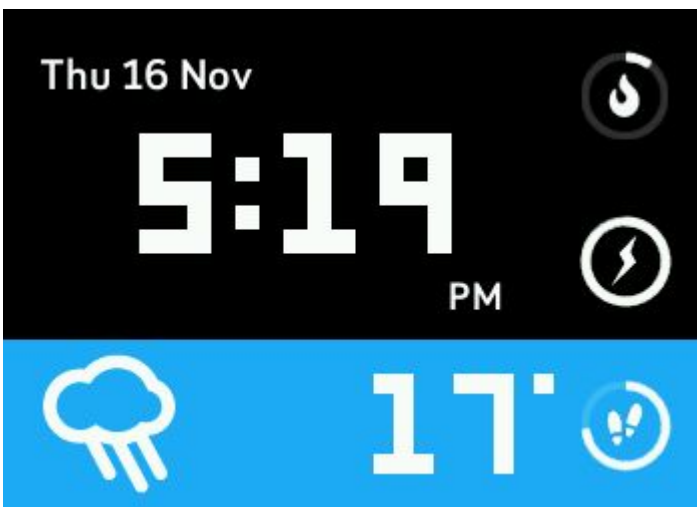
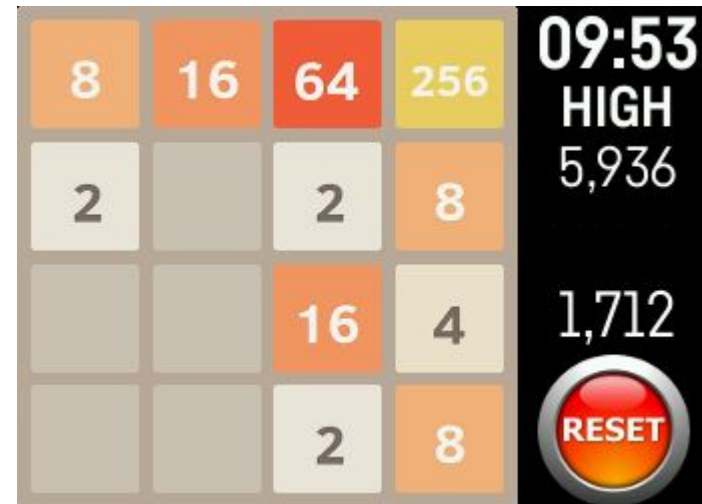
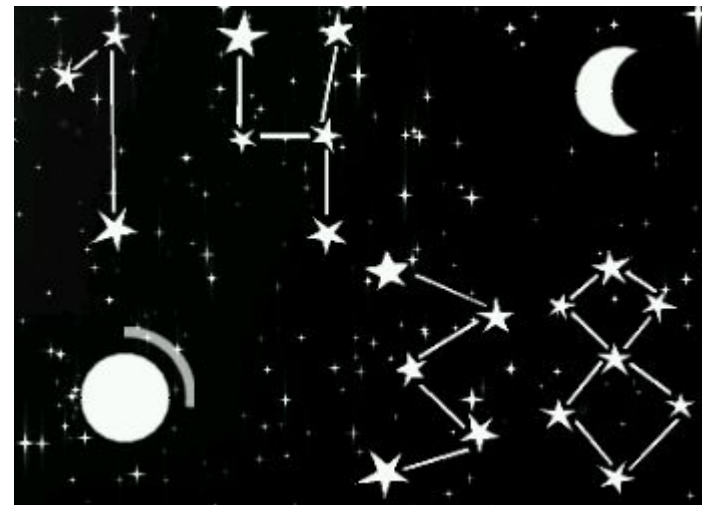
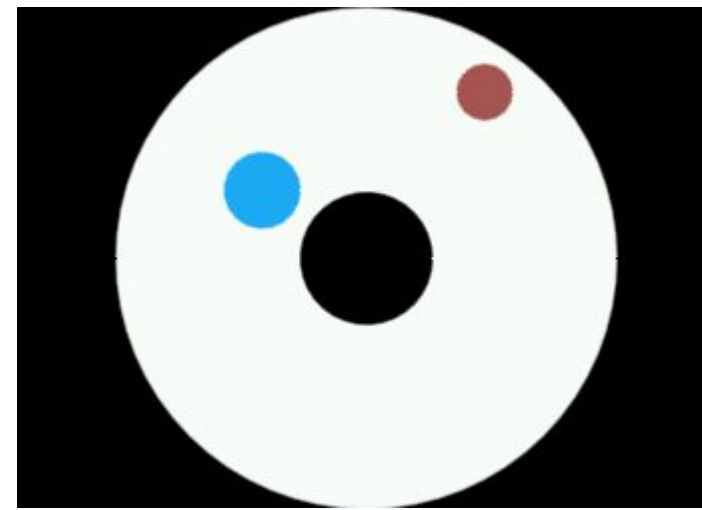
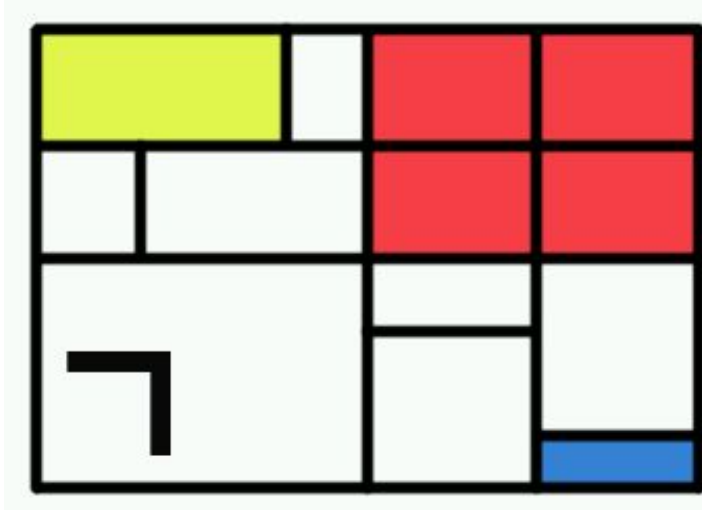
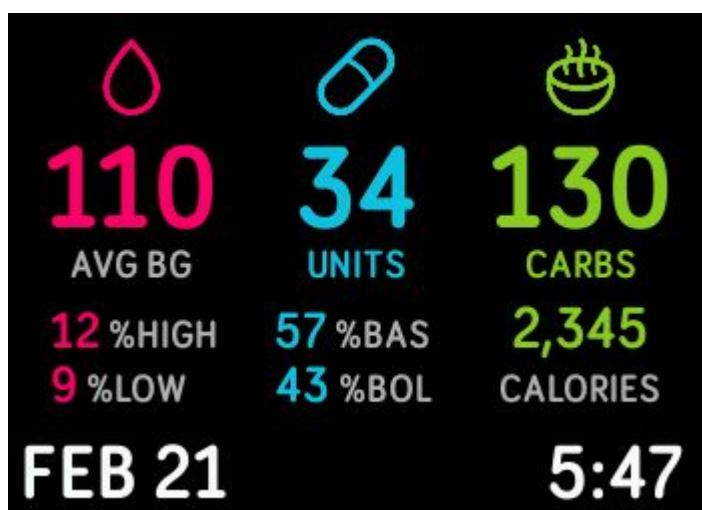
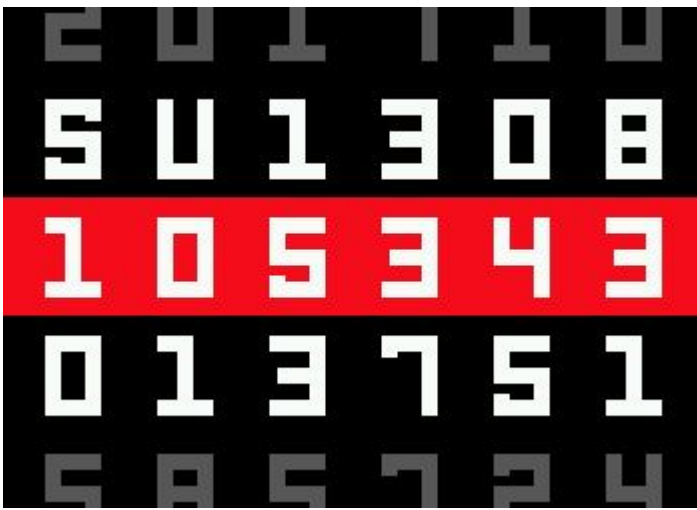


## Internet

Web API

Ressources







# Web API

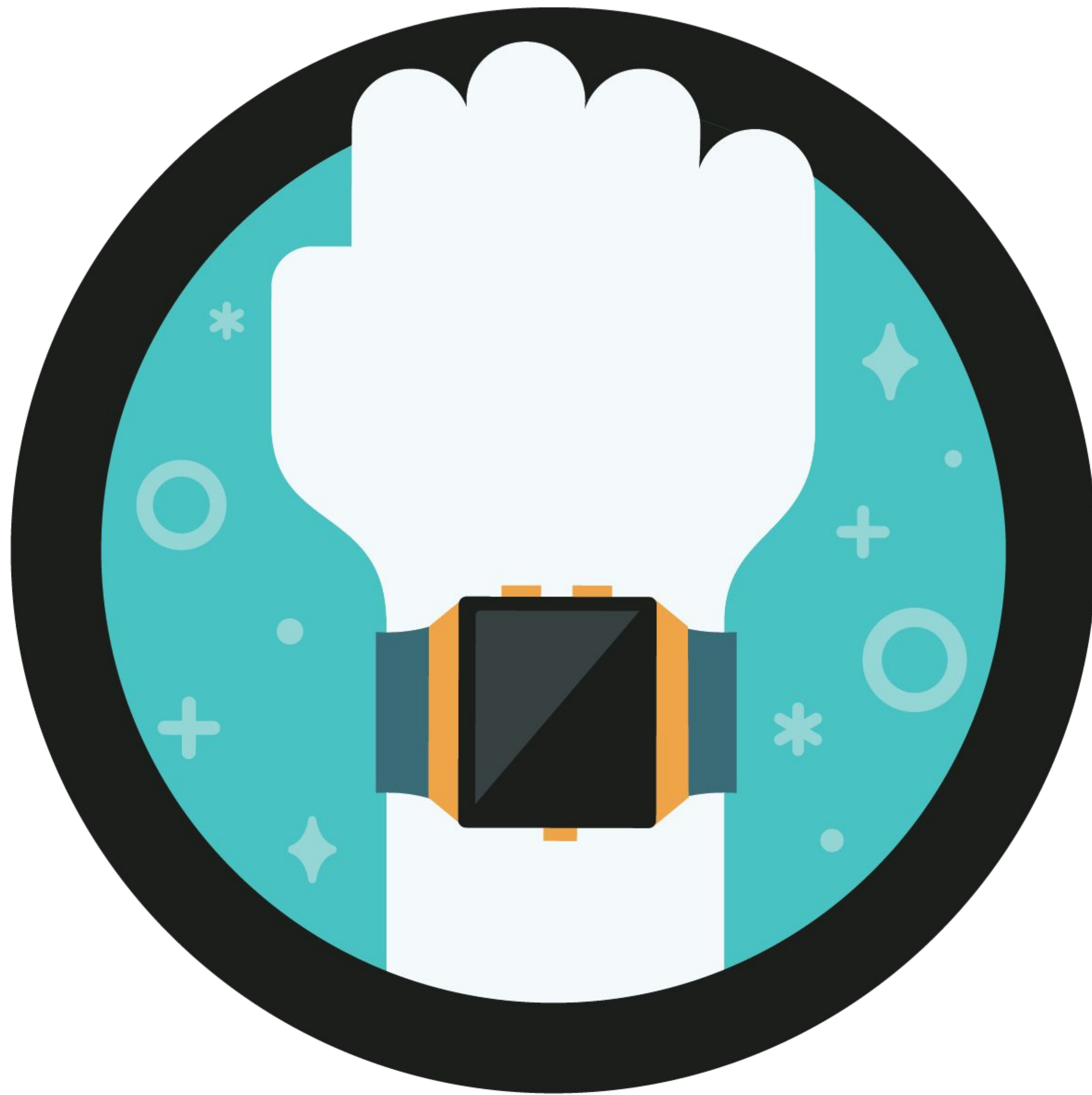
# REST APIs

- Activity
- Body & Weight
- Devices
- Food Logging
- Friends
- Heart Rate
- Sleep
- Subscriptions
- User

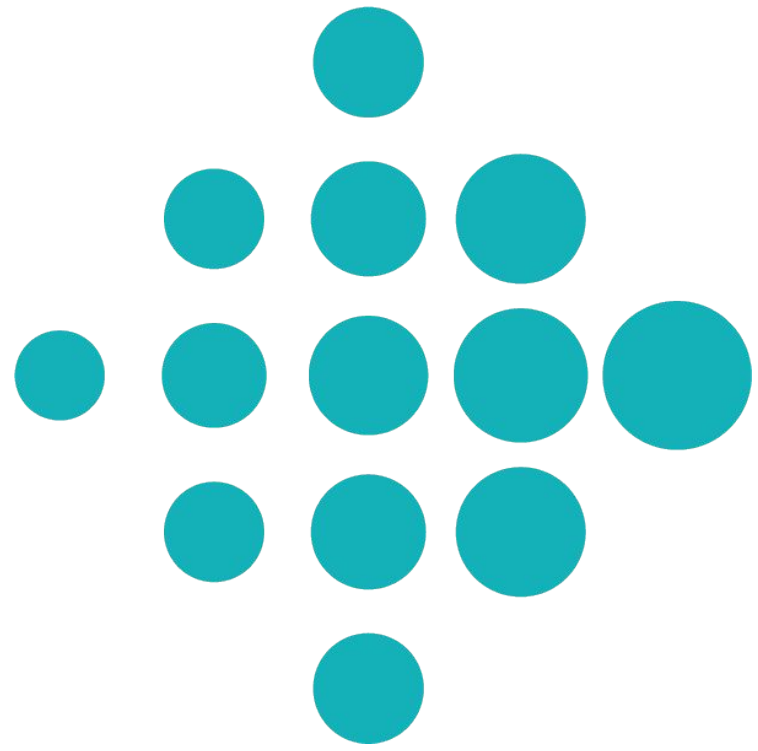
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      "activityParentId": 90019,
      "calories": 230,
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      "distance": 2.04,
      "duration": 1097053,
      "hasStartTime": true,
      "isFavorite": true,
      "logId": 1154701,
      "name": "Treadmill, 0% Incline",
      "startTime": "00:25",
      "steps": 3783
    }
  ],
  "goals": {
    ...
  }
}
```

**Have fun!**





#made4fitbit



**THANK YOU**