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シニア・デベロッパー・エバンジェリスト @ Fitbit

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@fitbitdev

Fitbit SDK & Web APIの概要



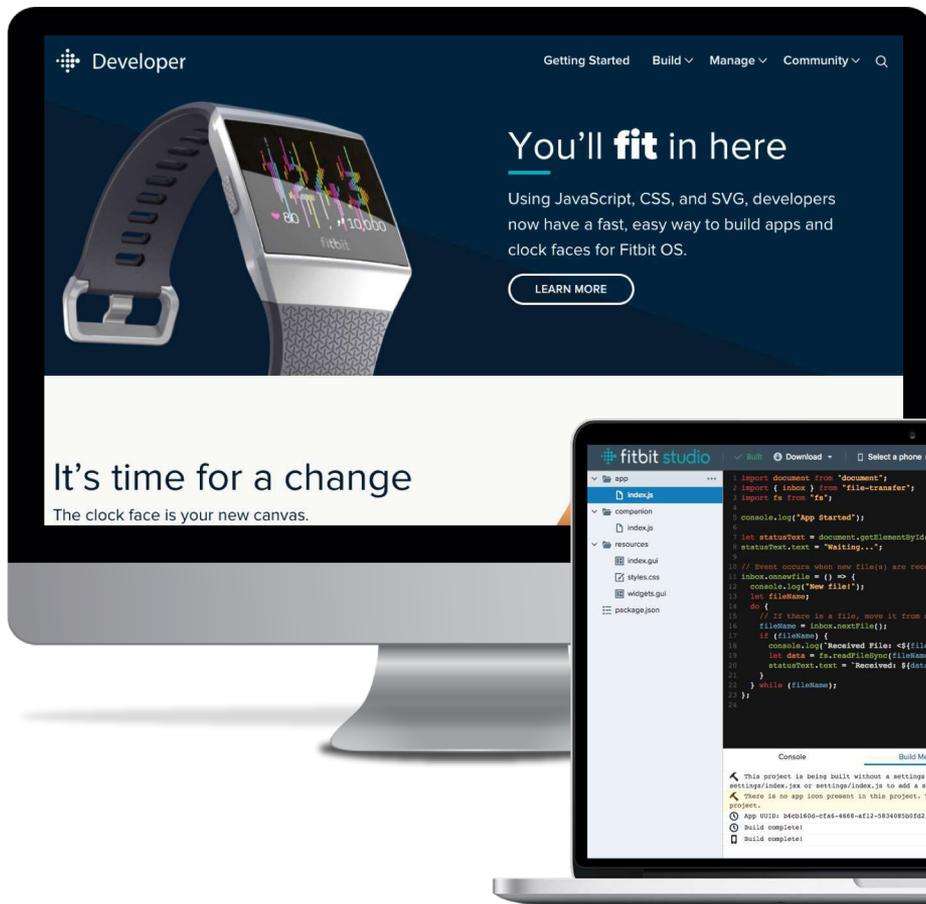
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Fitbit OS SDK

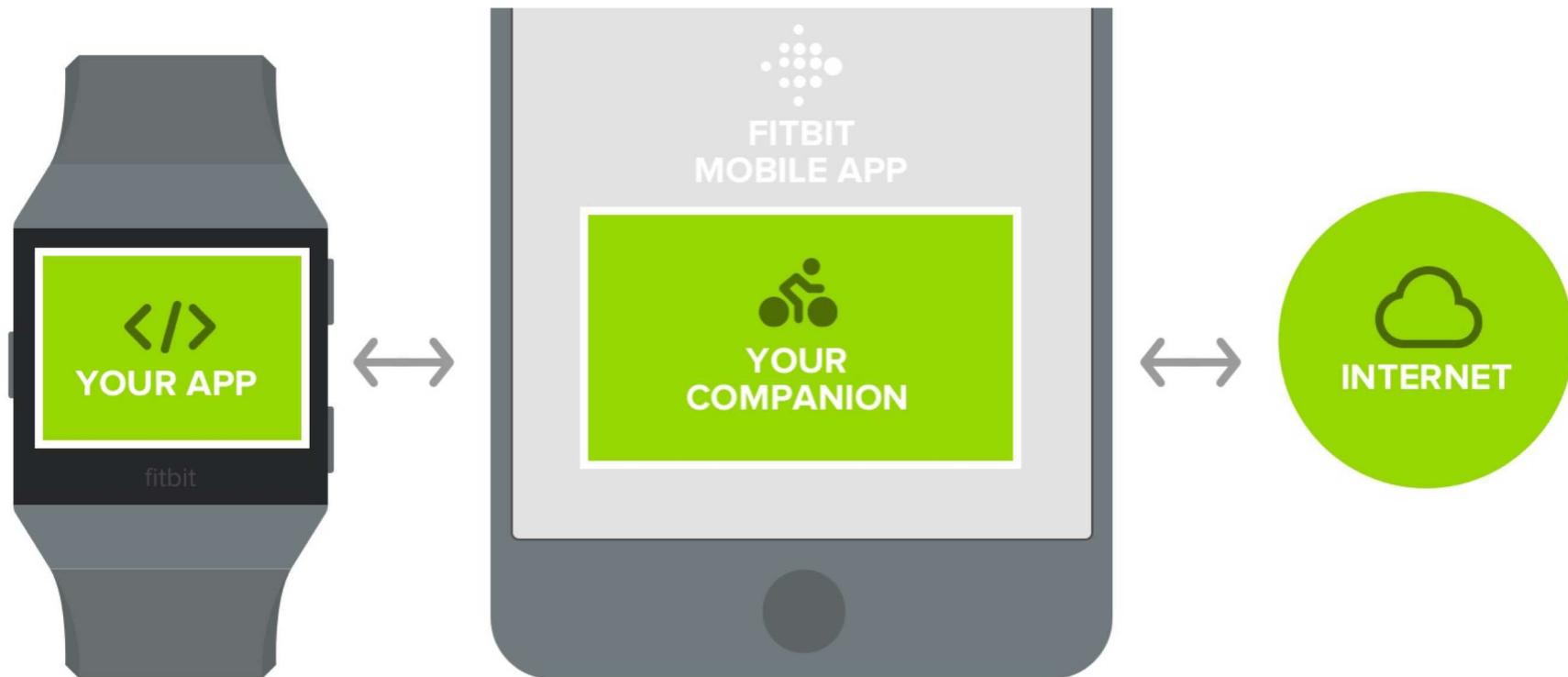


デベロッパー プラットフォーム

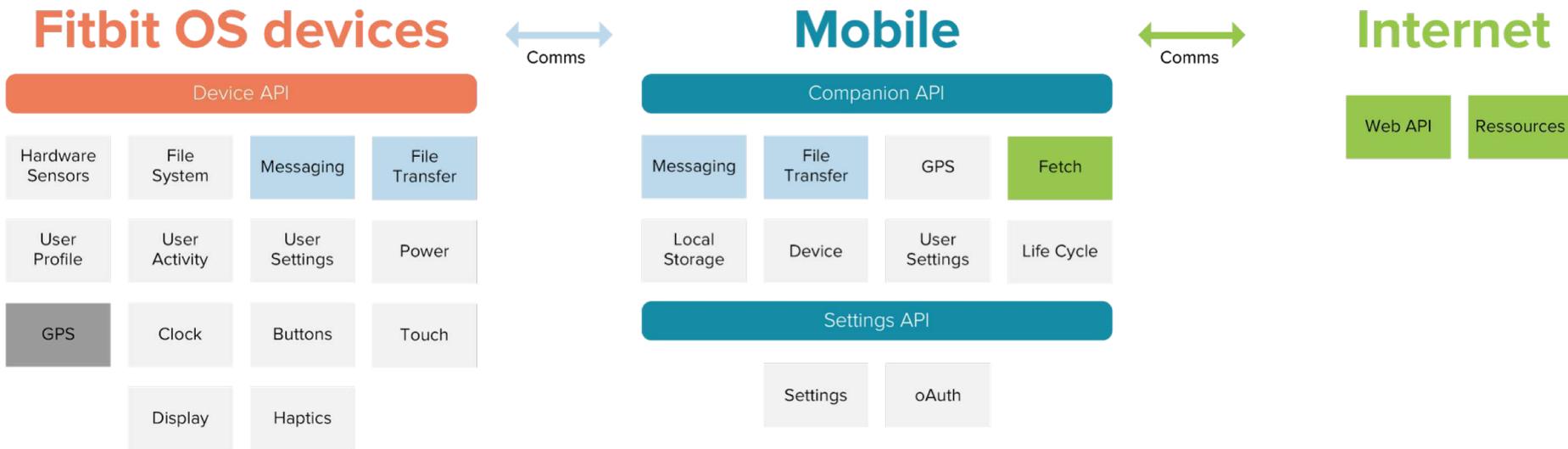
- JavaScript、SVG & CSSなども
含まれる、標準ベースのソフト
ウェア開発キット
- Fitbit Studioでどこにいても簡
単にアプリが作成可能
- macOSとWindows両方でシミ
ュレーターが使用可能



プラットフォームの 構造

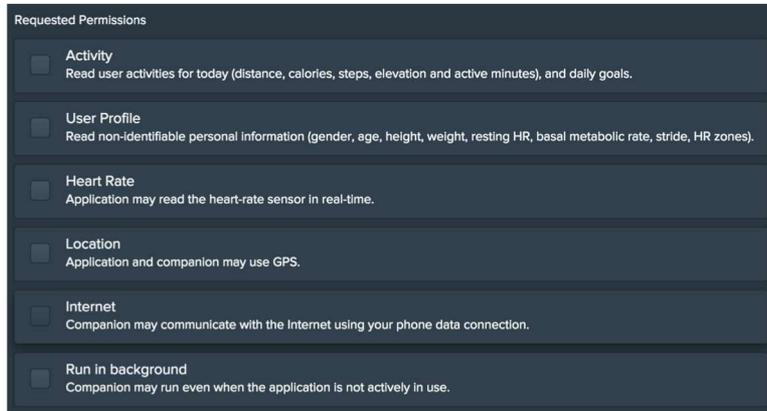


プラットフォームの構造



許可

- デベロッパーが許可を要請
- ユーザーがインストール時に承認



設定

- React JSXが使用されている
- Clock Faceやアプリの作成を可能にする
- あらかじめ構成要素が組み込まれており、簡単に設定できる
- settingsStorage内の固執したデータ
- シンプルなOAuth



複数デバイス用 リソースファイル

//Resources like CSS, images or GUI files

/resources/filename~**SCREEN-RESOLUTION**.ext

//Specific

/resources/styles~**300x300**.css

/resources/styles~**348x250**.css

//Fallback

/resources/styles.css

複数デバイス

```
//Device API
```

```
import { me as device } from "device";
```

```
//Companion API
```

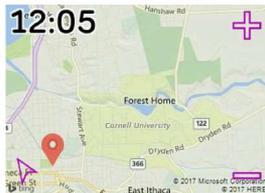
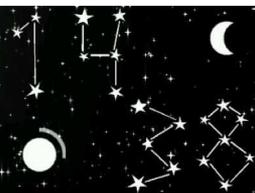
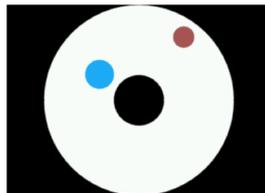
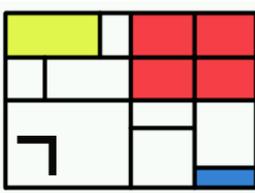
```
import { device } from "peer";
```

```
//Backward compatibility
```

```
if (!device.screen) device.screen = { width: 348, height: 250 };
```

Clock face Development Station





FitbitウェブAPI

REST APIs

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

JSON

```
{  
  "Activities": [  
    {  
      "activityId": 51007,  
      "activityParentId": 90019,  
      "Calories": 230,  
      "Description": "7mph",  
      "Distance": 2.04,  
      "Duration": 1097053,  
      "hasStartTime": true,  
      "isFavorite": true,  
      ...  
    }  
  ]  
}
```



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](#)



是非お試しく下さい！



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Fitbit SDK & Web API Overview



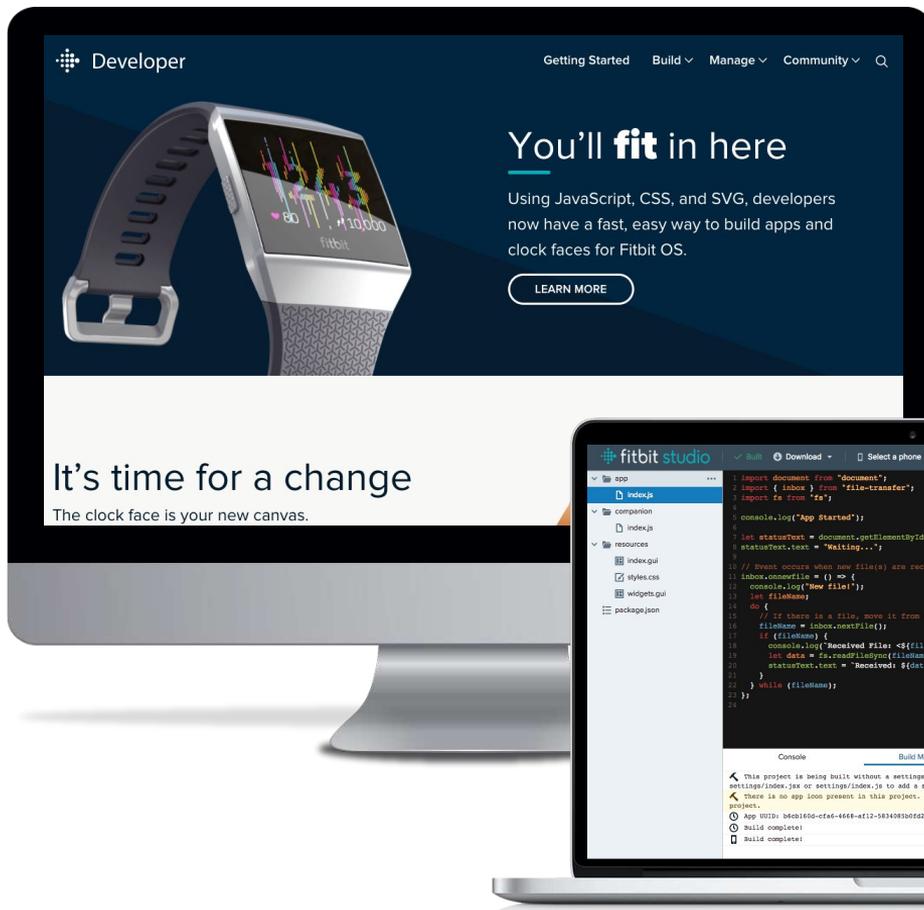
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Fitbit OS SDK

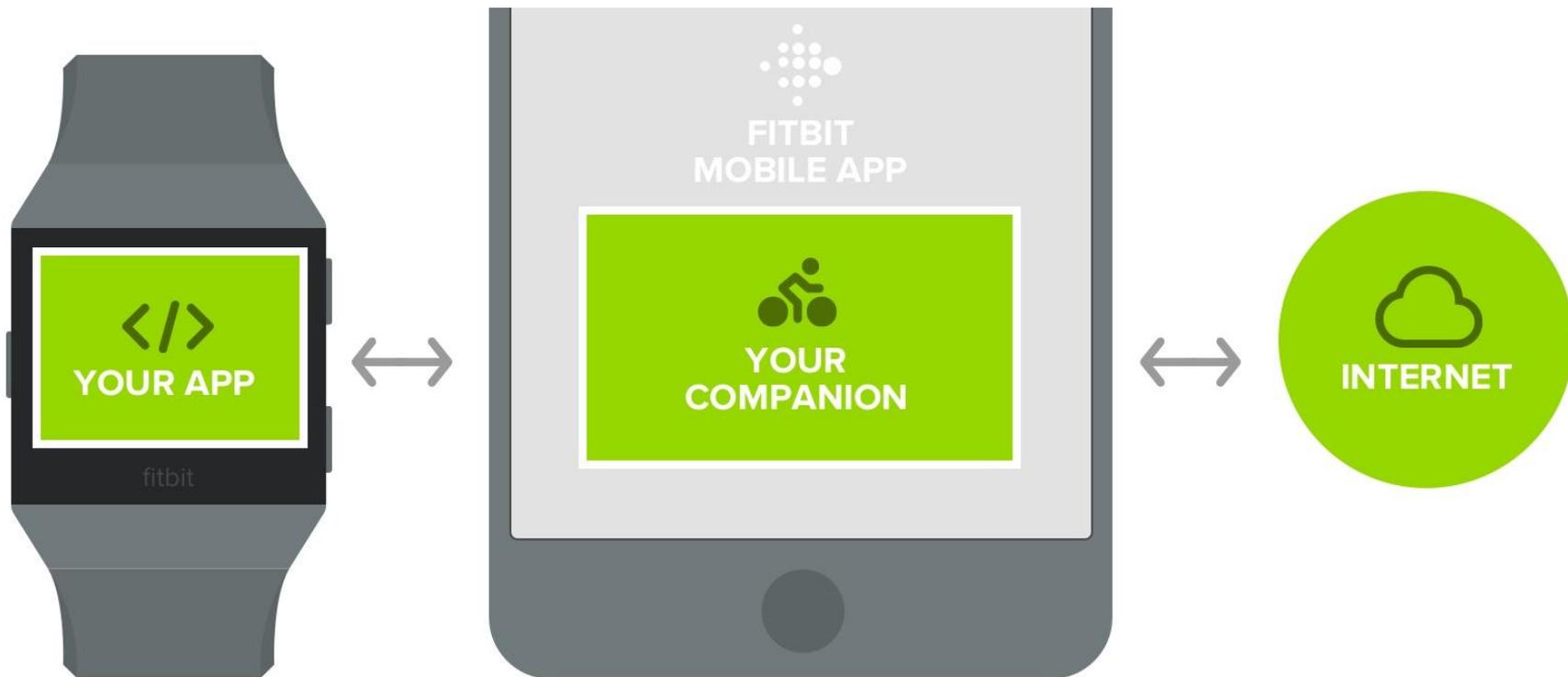


Developer Platform

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

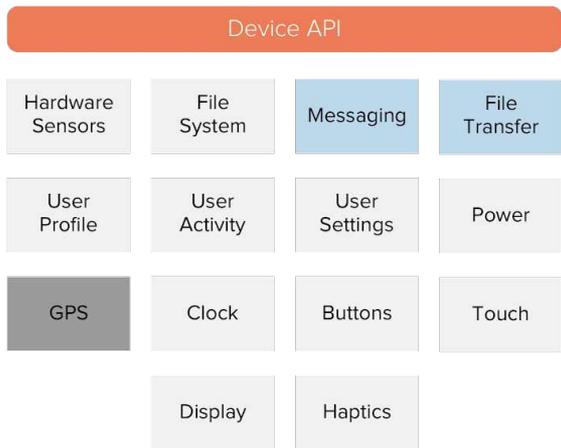


Platform Architecture

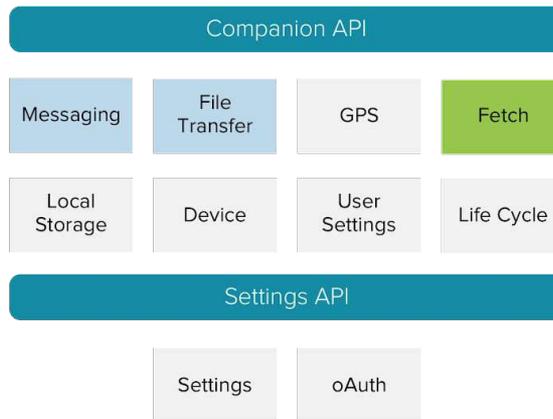


Platform Architecture

Fitbit OS devices



Mobile

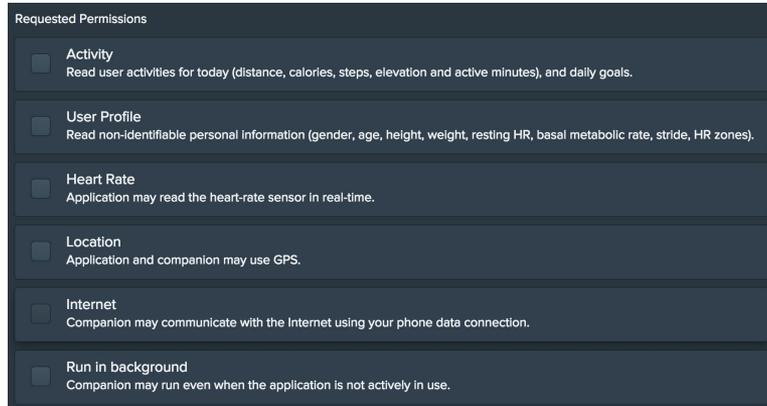


Internet



Permissions

- Developers request permissions
- Users accept requests on install



Settings

- Uses React JSX
- Make clock faces and apps configurable
- Prebuilt components for easy setup
- Persist data in settingsStorage
- Simple OAuth



Multiple Devices Resource Files

```
//Resources like CSS, images or GUI files  
/resources/filename~SCREEN-RESOLUTION.ext
```

```
//Specific  
/resources/styles~300x300.css  
/resources/styles~348x250.css
```

```
//Fallback  
/resources/styles.css
```

Multiple Devices

```
//Device API
```

```
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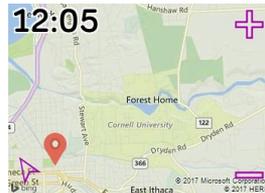
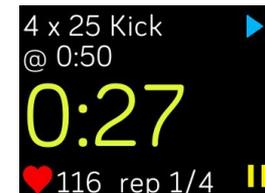
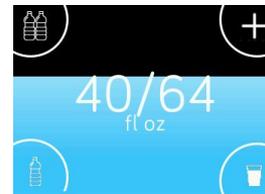
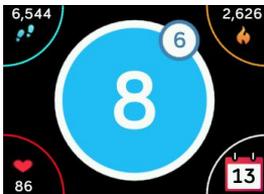
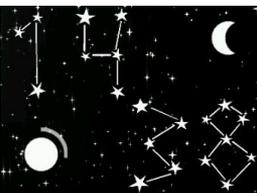
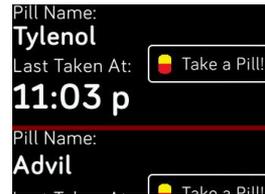
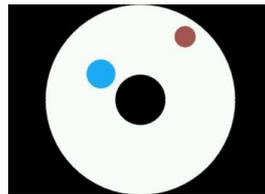
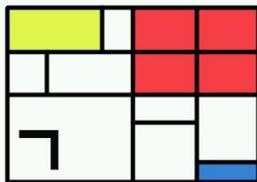
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be a local
ambassador



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