## S.U.N.S.H.I.N.E.

Service for you to eNhance Self-management Helpfully and Intelligently Now and forEver

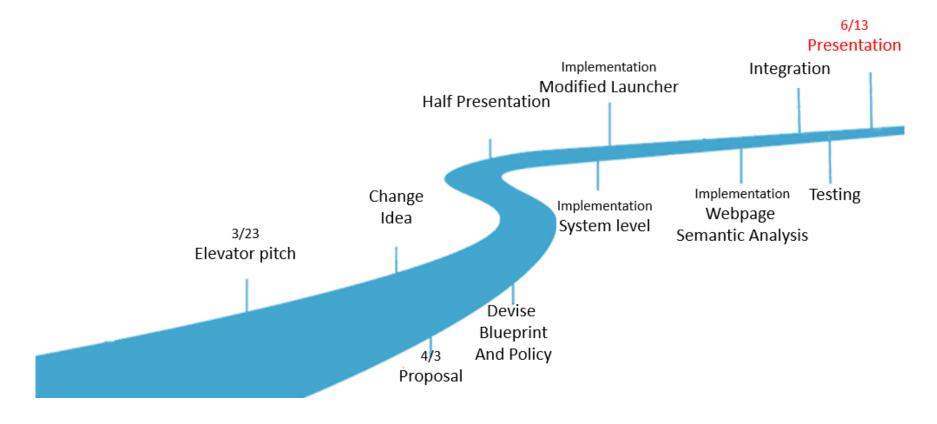
> T0303 Bohun Seo, Hayeon Lee, Insu Jang



## Introduction



### At Last!





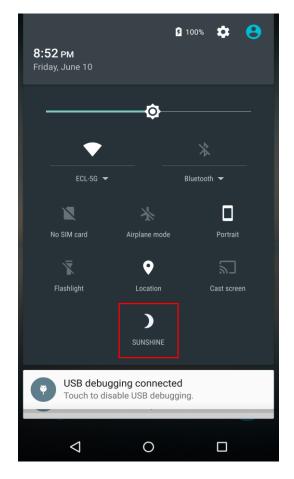
# Prevent temptations

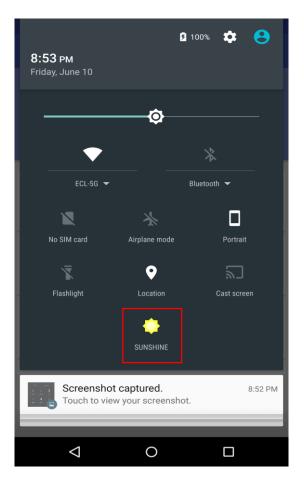
Providing flexibility and motivation

to

Enhance user's efficiency of study

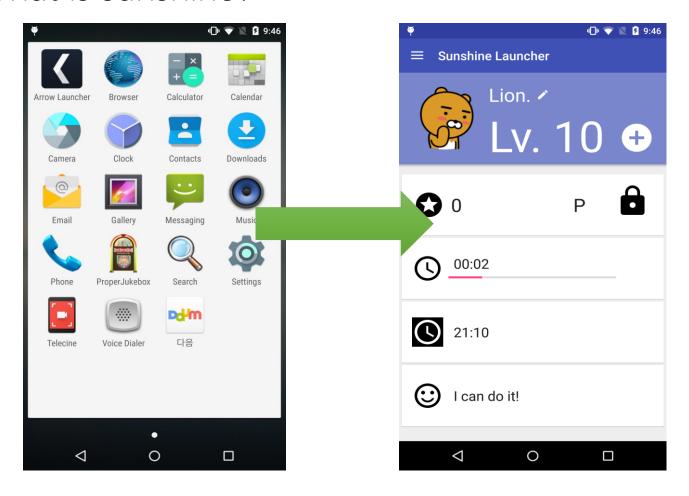






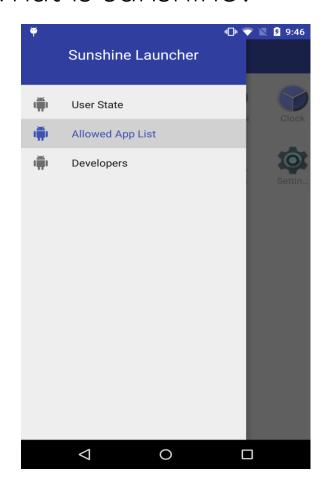
To activate sunshine mode. User just presses the button. Pre-configuration is unnecessary.

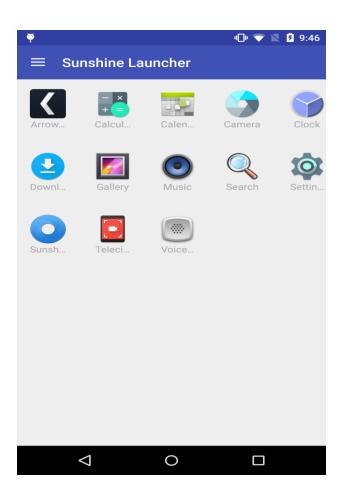




In sunshine mode, launcher is changed

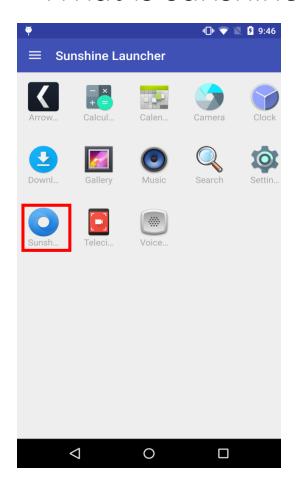


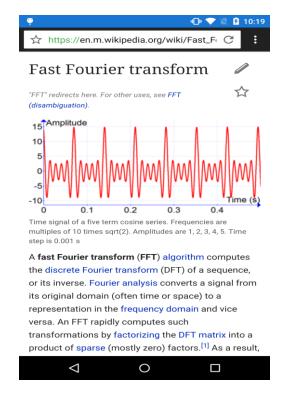


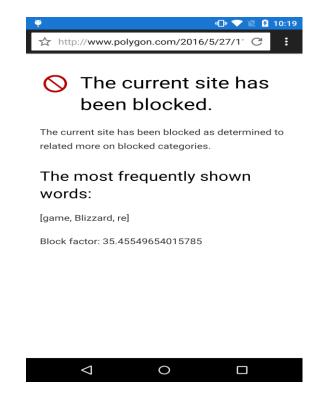


Allowed apps can only be used basically
This classification is performed automatically by app's category





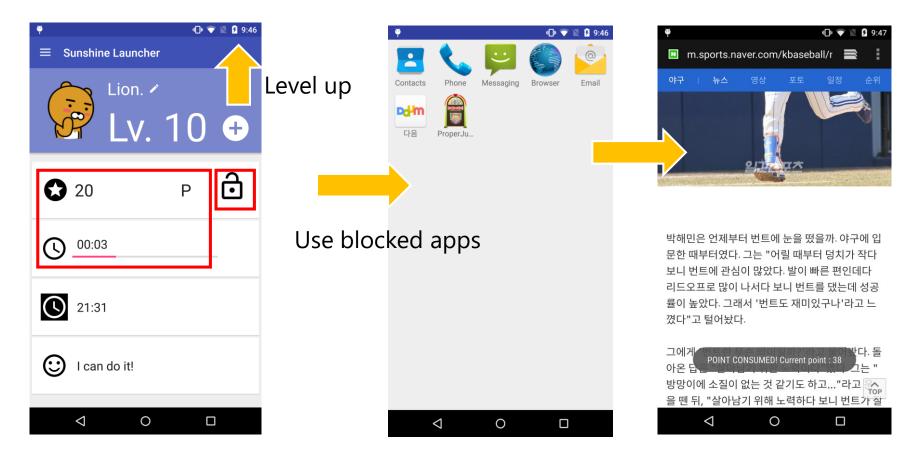




FFT in wikipedia

Overwatch review

User can use our dedicated browser in sunshine mode to search. Our browser performs semantic analysis and blocks page by category.



User can acquire the points by remaining the sunshine mode User consumes points for two purposes

## **Sunshine Components**

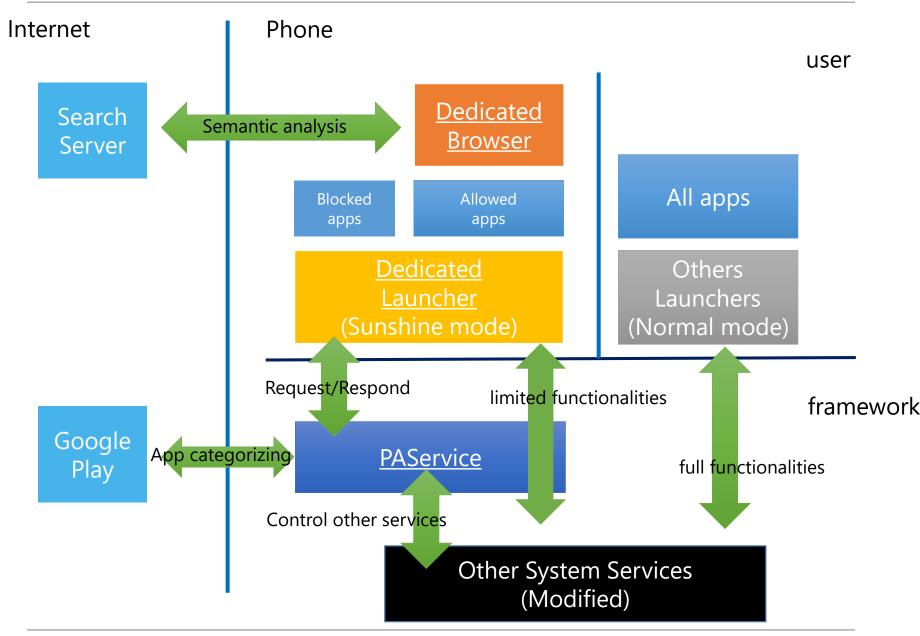
- 1. Overall Feature
- 2. System Service
- 3. Dedicated Launcher
- 4. Dedicated Browser



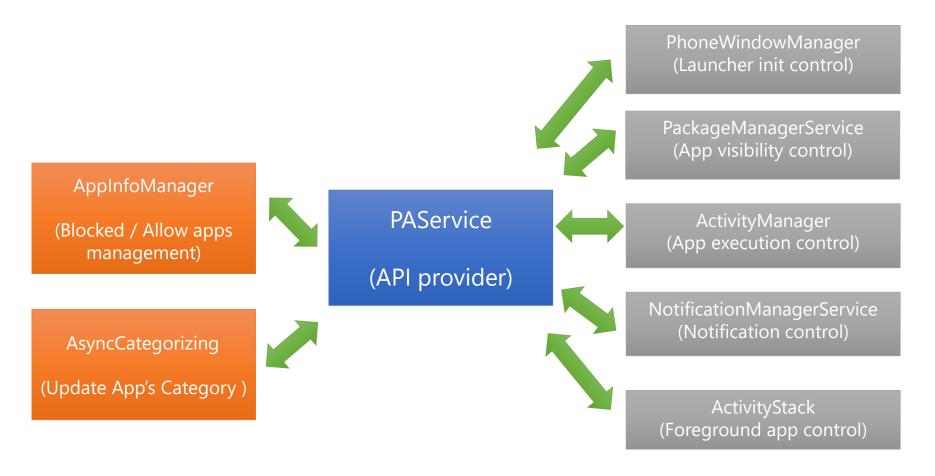
On Nexus 6 With AOSP 5.1 Iollipop

 $Source: https://en.wikipedia.org/wiki/Nexus\_6$ 



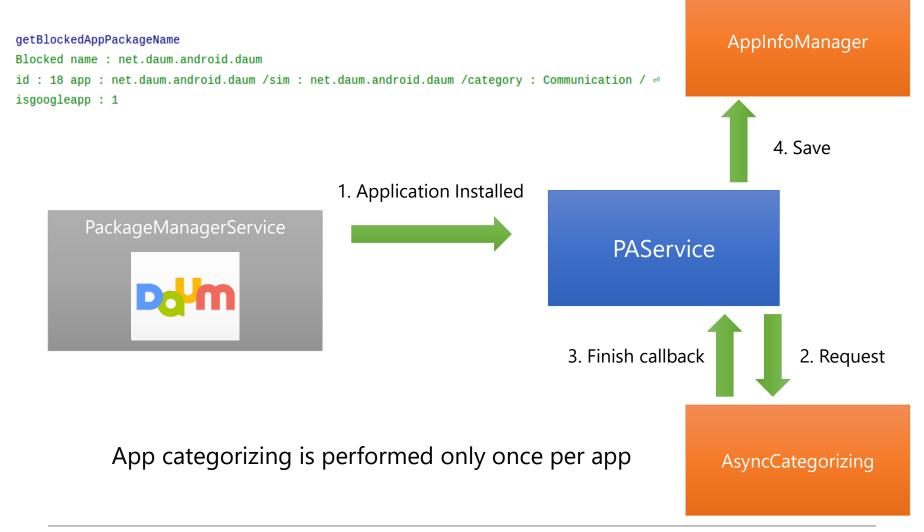


## System Service - Architecture





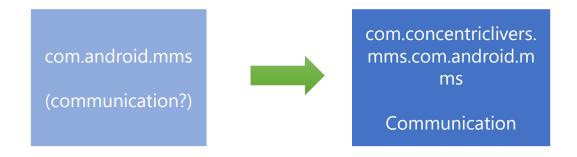
## System Service – App categorizing



## System Service – App categorizing

Categorize app with exact package name

If it doesn't exist, use similar name



Find the most similar app and use that category

## System Service – Block Policy

## Use pre-defined category tables

```
private static final String[] BLOCK CATEGORY = {
        "Action",
        "Adventure".
        "Arcade",
        "Board",
        "Card",
        "Casino".
        "Casual",
        "Educational",
        "Music".
        "Puzzle",
        "Racing",
        "Role Playing",
        "Simulation",
        "Sports",
        "Strategy",
        "Trivia".
        "Word",
        "Ages 5 & Under".
        "Ages 6-8",
        "Ages 9 & Up",
        "Popular Characters",
        "Action & Adventure",
        "Brain Games",
        "Creativity",
        "Music & Video".
        "Pretend Play",
        "Comics",
        "Shopping",
        "Social",
```

```
private static final String[] ACCEPTED_CATEGORY = {
        "Books & Reference",
        "Business",
        "Education",
        "Finance",
        "Health & Fitness",
        "Libraries & Demo",
        "Lifestyle",
        "Live Wallpaper",
        "Media & Video",
        "Medical".
        "Music & Audio".
        "News & Magazines",
        "Personalization",
        "Personalisation",
        "Photography",
        "Productivity",
        "Tools",
        "Transportation",
        "Travel & Local",
        "Weather",
        "Widgets",
};
```

### Exclude categories of unfamiliar with study

Source: https://play.google.com



## System Service – Exploiting App-related function call

