

The background features a decorative graphic consisting of various colored circles and dashed lines. In the top left, there is a large teal ring and a smaller teal circle. In the top right, there is a large lime green circle and a smaller green circle. In the bottom left, there is a large green circle with a white center and a smaller yellow circle. In the bottom right, there is a large yellow ring, a large orange circle, and a small pink circle. A dashed grey line curves through the scene, connecting several of these elements.

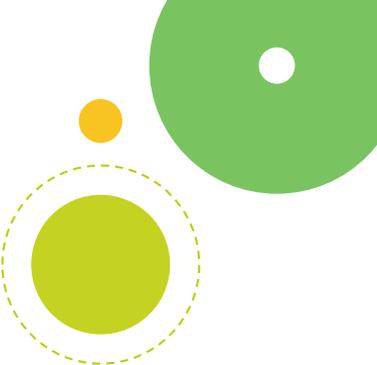
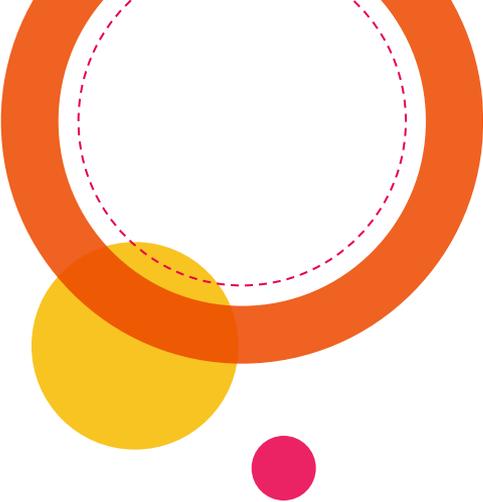
Virtual Notice Board MsgCraft

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LYU 1504
LAM Chi Kit
WONG Ka Lam

A decorative graphic consisting of various colored circles and rings of different sizes and styles (solid, dashed, hollow) scattered across the slide. The colors include yellow, pink, orange, green, blue, and red. The largest yellow ring is on the left side, and a large blue circle is at the bottom left. Other smaller circles and rings are scattered in the top right and bottom left areas.

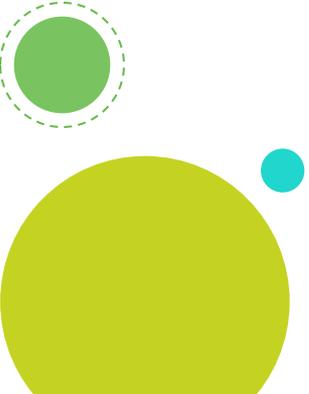
Content

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1

Motivation





- Location Based
- Keep Record
- Allow different comments



The background features several overlapping circles in various colors: orange, yellow, pink, green, and teal. Some circles are solid, while others are dashed. A large teal circle with a white center is prominent in the bottom right. A large teal number '2' is centered within a large dashed circle.

2

From Post to MsgCraft

POST

first



Basic function
• Read and write

Locating based
• Latitude and longitude
• orientation

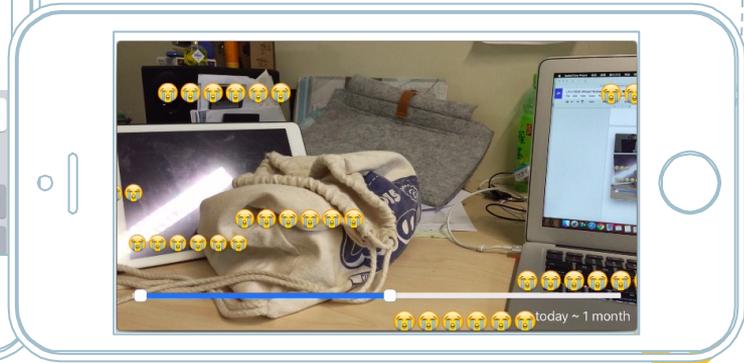
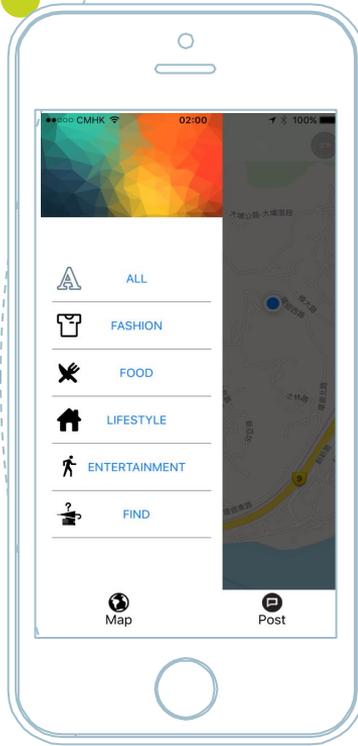


second

third

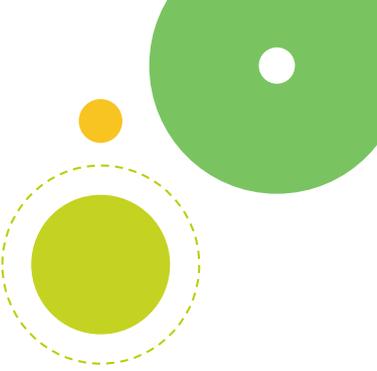
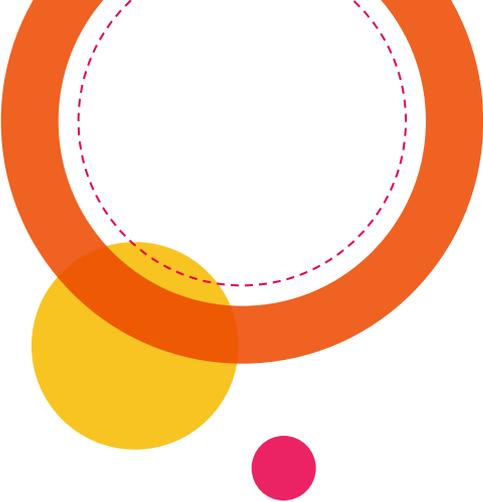


Interesting in reading message



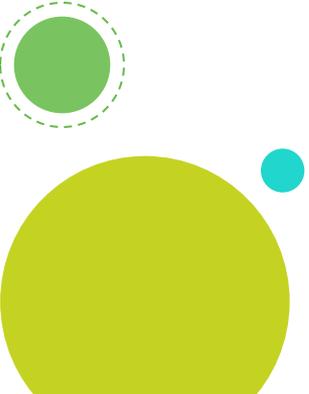
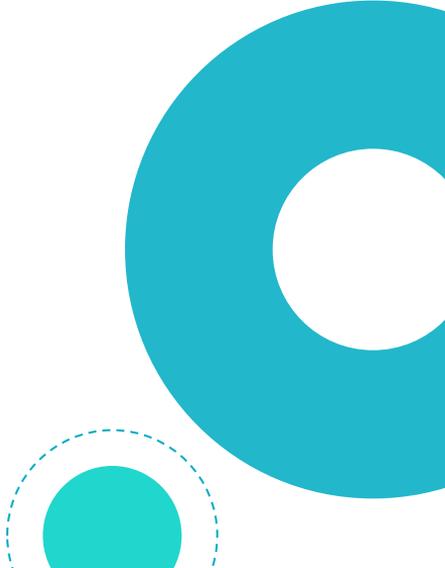
POST

- Positioning System (GPS)
- UI Design
- Category



3

Motivation



MsgCra ft

UI Design

- Simple
- Preview

first



Positioning System

- Indoor and Outdoor
- iBeacon and GPS

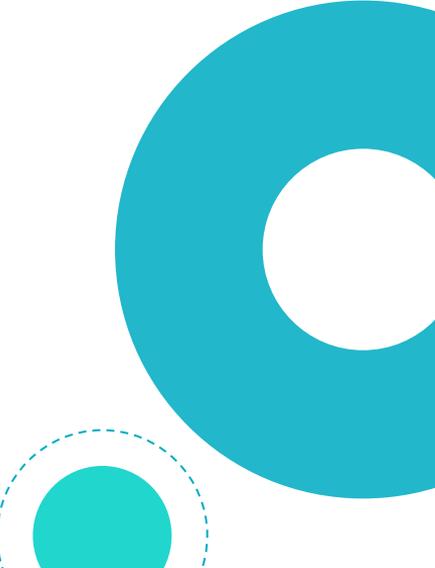
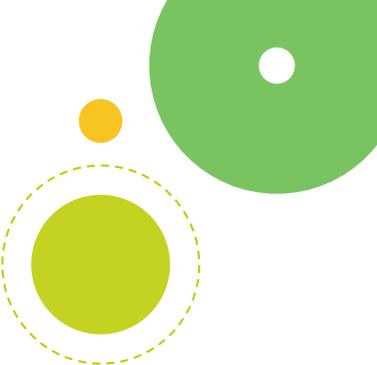
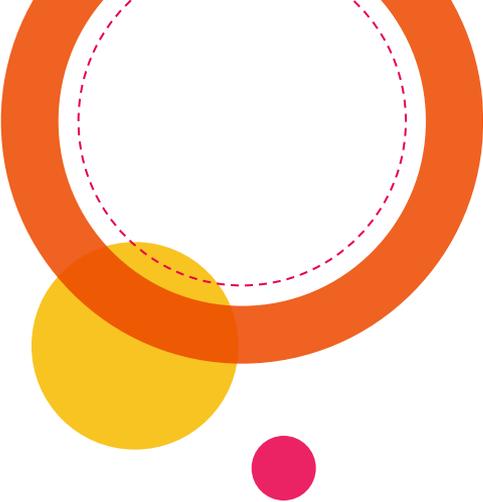
third



Category

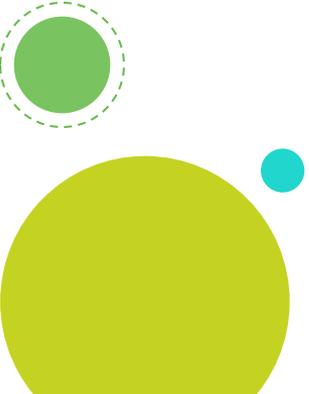
second





4

Implementation



- Widely Used Indoor Positioning
- Compatible with iPhone



iBeacon

4 Category



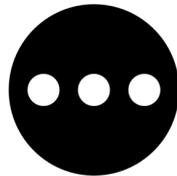
Lifestyle



Food



Fashion

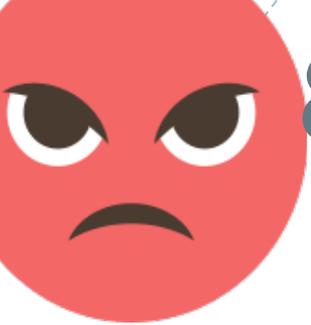


Find



Entertainment

8 Category



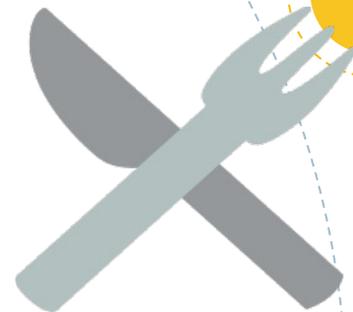
Angry



Bad



Yummy



Food



Happy



Sad



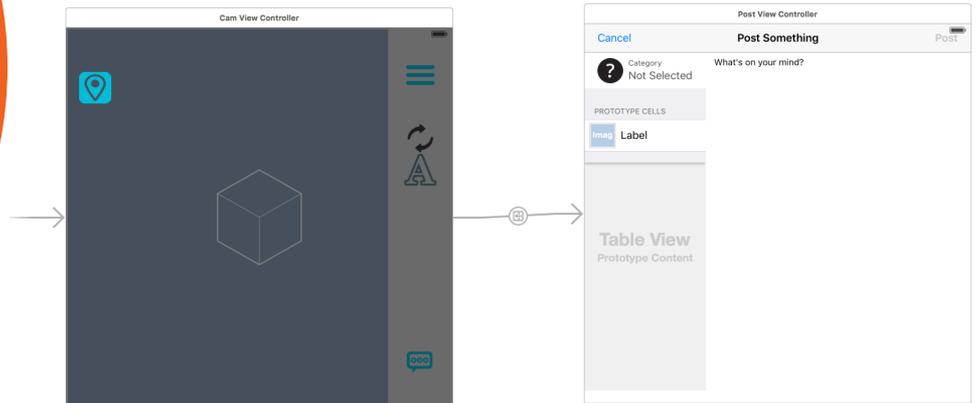
Warning

Navigation

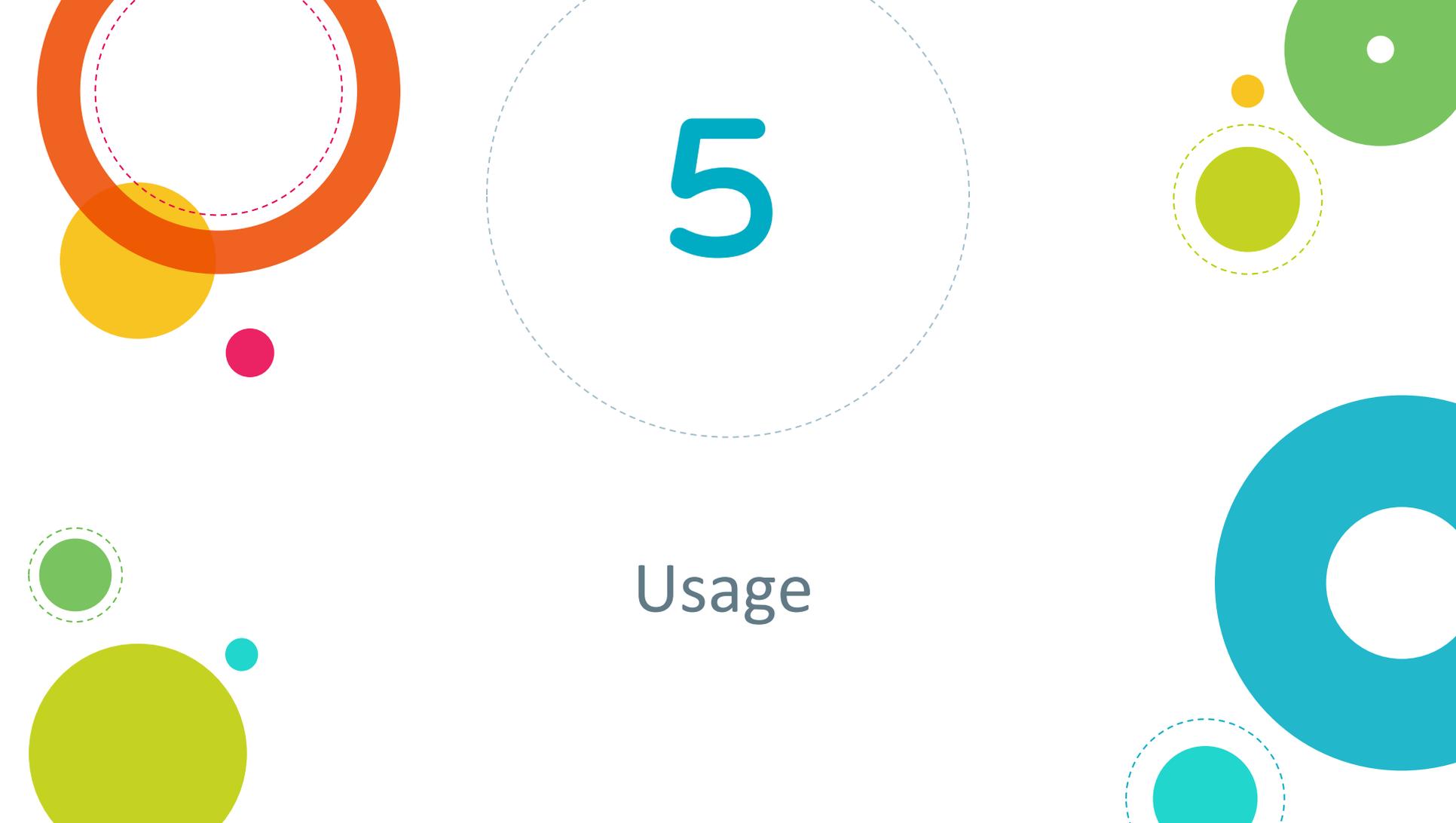




UI Design





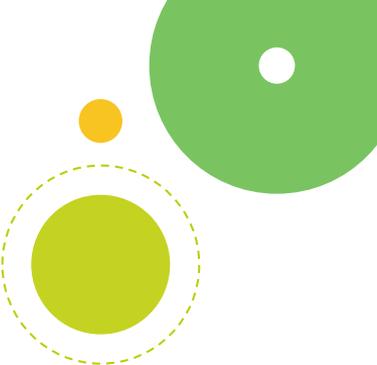
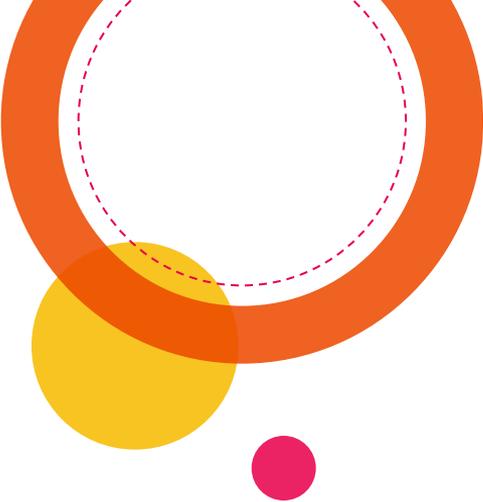
The background features a collection of colorful circles and dashed lines. In the top left, there is a large orange ring with a white dashed circle inside it, overlapping a yellow circle. Below this is a small pink circle. In the bottom left, there is a large green circle with a white dashed border, a small cyan circle, and a large lime green circle. In the top right, there is a green circle with a white dot, a small orange circle, and a lime green circle with a white dashed border. In the bottom right, there is a large cyan ring and a cyan circle with a white dashed border.

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Usage

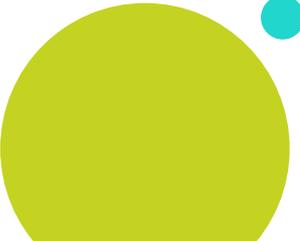
- Find restaurants
- Navigations
- Entertainment
- -orienteering



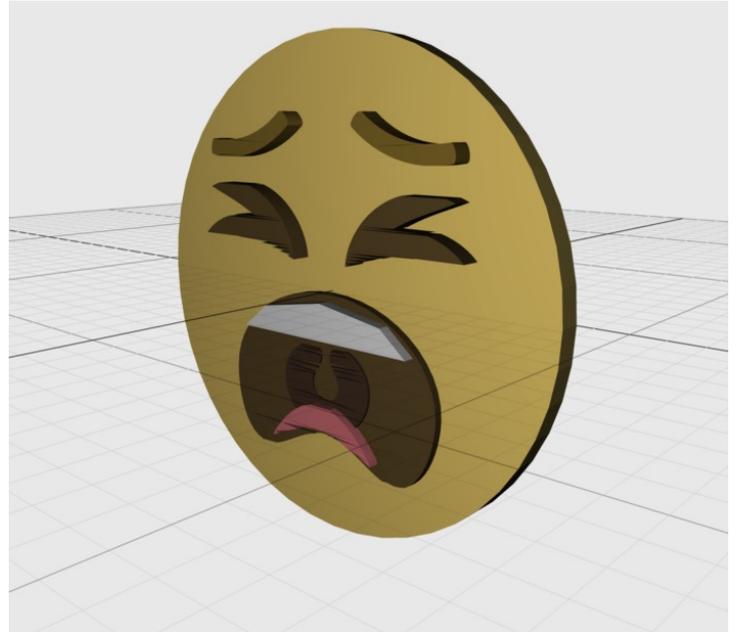


6

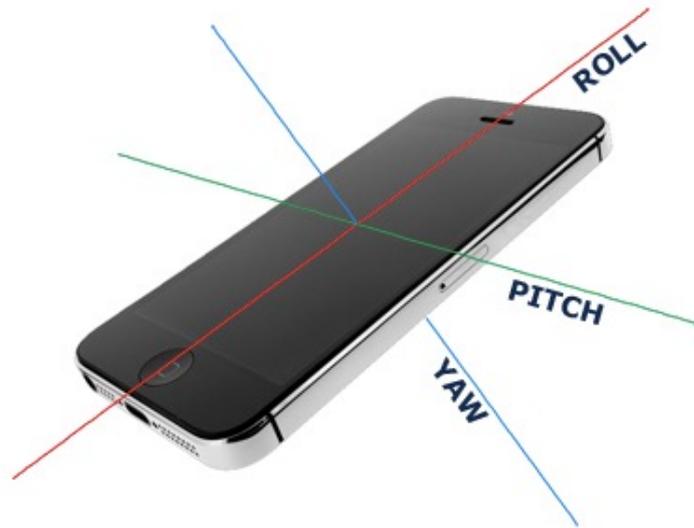
Challenge

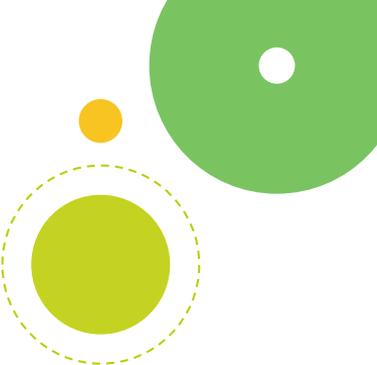
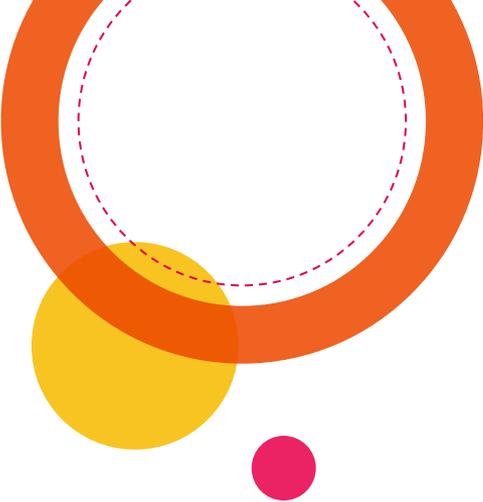


○ 3D Drawings



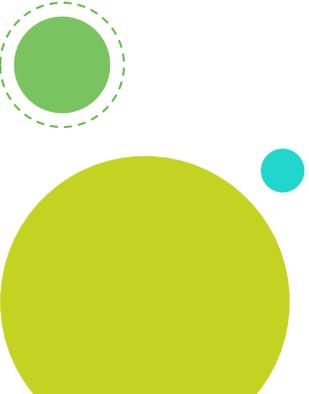
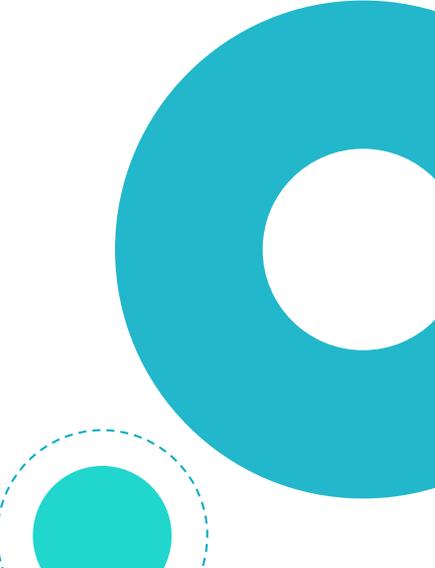
○ iPhone Orientation



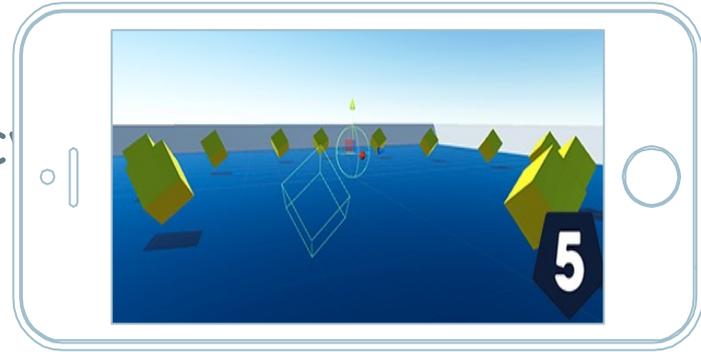


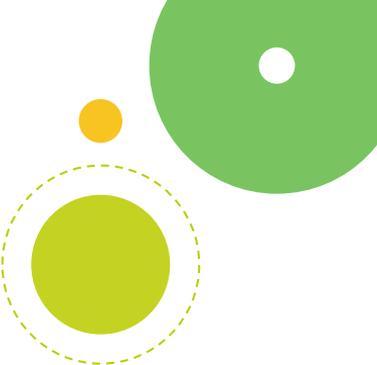
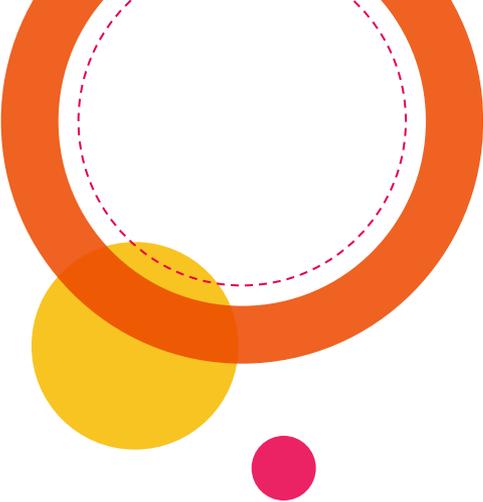
7

Limitation



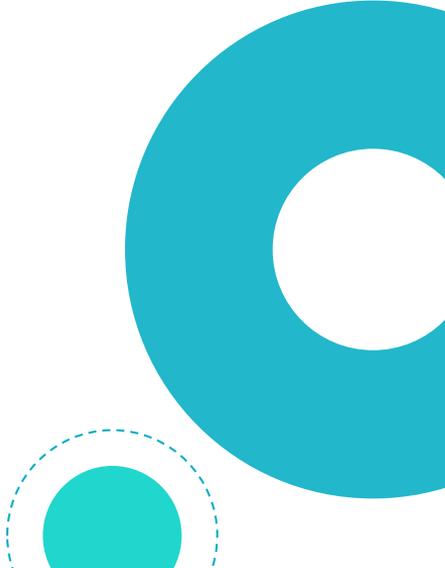
- iBeacon & iPhone
- Screen Size
- 3D Objects
- Orientation Accuracy
- Battery





8

Demo



Thanks!

