


The background features a large, faint dashed circle. Various colored circles and rings are scattered around it: a large teal ring in the top-left, a smaller teal circle below it, a lime green circle in the top-right, a green circle with a dashed border below it, a pink circle in the middle-right, an orange circle in the bottom-right, a yellow ring in the bottom-right, a lime green circle in the bottom-left, a green circle with a white center below it, and a small orange circle to its right.

Virtual Notice Board

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The background features a variety of colorful circles and dashed lines. In the top left, there is a large orange ring with a dashed red inner circle, overlapping a yellow circle and a small pink circle. In the top center, a large dashed light blue circle contains the number '1'. To the right, there is a green circle with a white dot, a yellow dashed circle with a green center, and a small orange dot. In the bottom left, there is a green dashed circle with a green center, a large green circle, and a small cyan circle. In the bottom right, there is a large cyan ring and a cyan dashed circle with a cyan center.

1

Traditional Notice Board

“

○ Advertisement



“

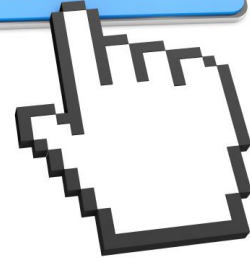
- Advertisement
- Information



- Advertisement
 - Information
- Allow different comments



Comment



The background features a collection of colorful circles and dashed lines in shades of orange, yellow, green, and teal. A large, light blue dashed circle is centered in the upper half of the page, containing the number 2. The overall design is modern and abstract.

2

Problem of Traditional Notice Board

- Limited size

SIZE



- Limited size
- Messy information



- Limited size
- Messy information
- Easy to removed



- Limited size
- Messy information
- Easy to removed
- Inconvenient



- Limited size
- Messy information
- Easy to removed
- Inconvenient
- Not environmental friendly





3

Motivation



○ Location Based



- Location Based
- Keep Record



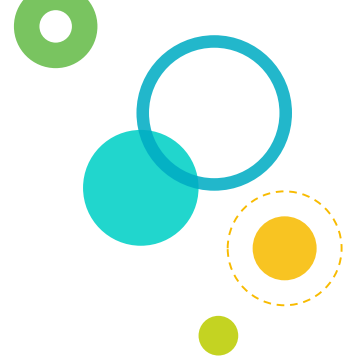
The background features a variety of colorful circles and dashed lines. In the top left, there is a large orange ring with a white center and a dashed red inner circle, overlapping a yellow circle and a small pink circle. In the top center, a large dashed light blue circle contains the number 4. In the top right, there is a green circle with a white center, a small orange circle, and a lime green circle with a dashed yellow border. In the bottom left, there is a green circle with a dashed white border, a large lime green circle, and a small cyan circle. In the bottom right, there is a large cyan ring with a white center and a cyan circle with a dashed white border.

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Our Virtual Notice Board

A decorative graphic in the top-left corner consisting of several overlapping circles and rings. There is a large pink circle, a smaller orange circle, a teal ring, a small teal circle, a large lime green ring with a dashed outline, a medium green circle, and a small orange ring.

○ More information



- More information
- Keep Record



- More information
- Keep Record
- Not easy to destroy



- More information
- Keep Record
- Not easy to destroy
- Well organize



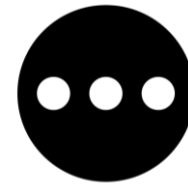
Fashion



Lifestyle



Entertainment



Other



5

Milestone





first

Basic function

- Read and write

first



Basic function

- Read and write

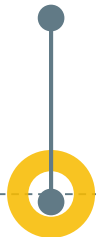
Locating based

- Latitude and longitude
 - orientation



second

first



Basic function

- Read and write

Locating based

- Latitude and longitude
 - orientation



second

third

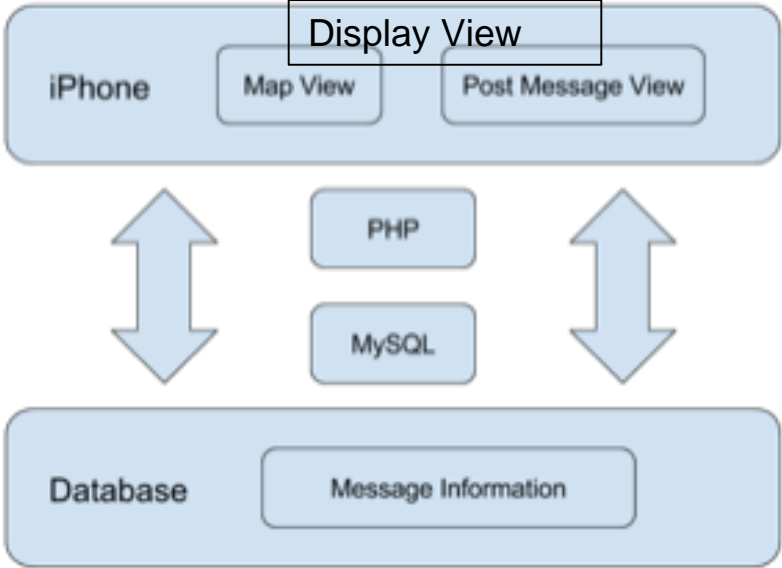


Interesting in reading message

The background features several decorative elements: a large orange ring in the top left, a yellow circle below it, a pink circle further down, a green circle with a dashed border in the bottom left, a large teal ring in the bottom right, and a teal circle with a dashed border in the bottom right. A large teal number '6' is centered within a large dashed circle.

6

Implementation



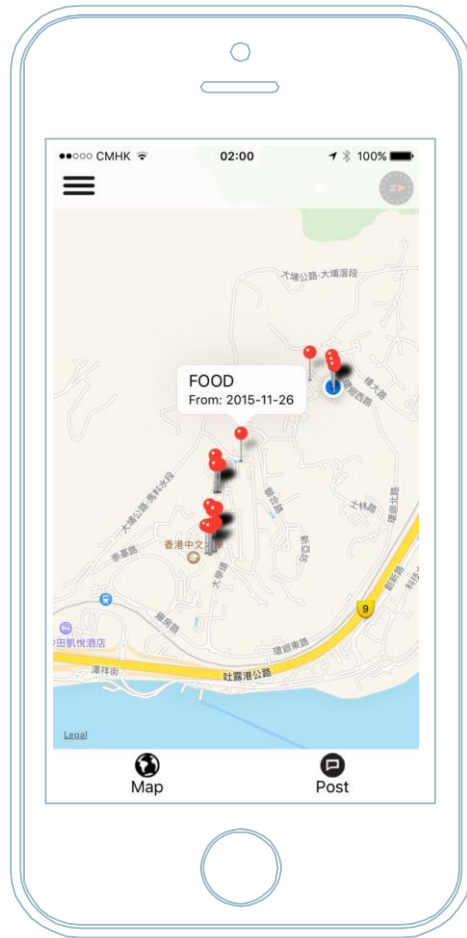
Hello!



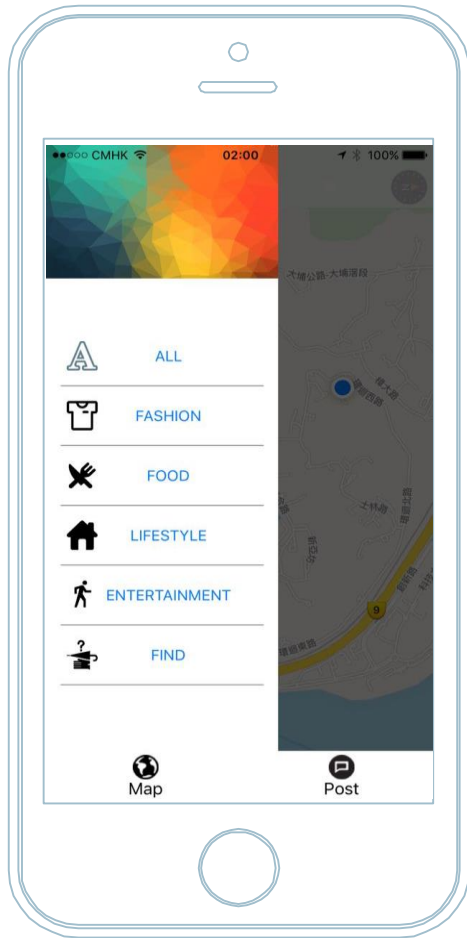
I am POST



UI Design



Message Location

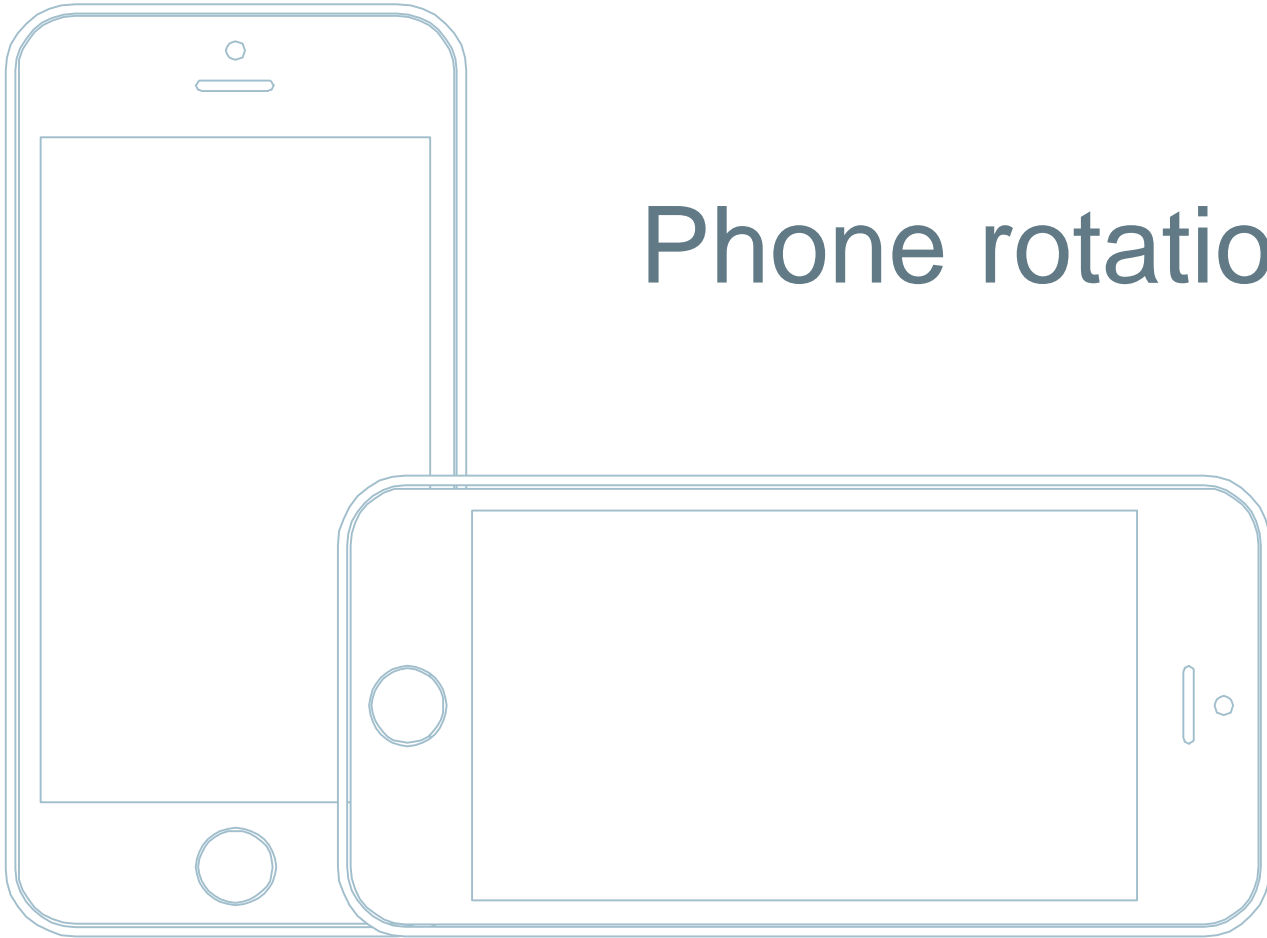


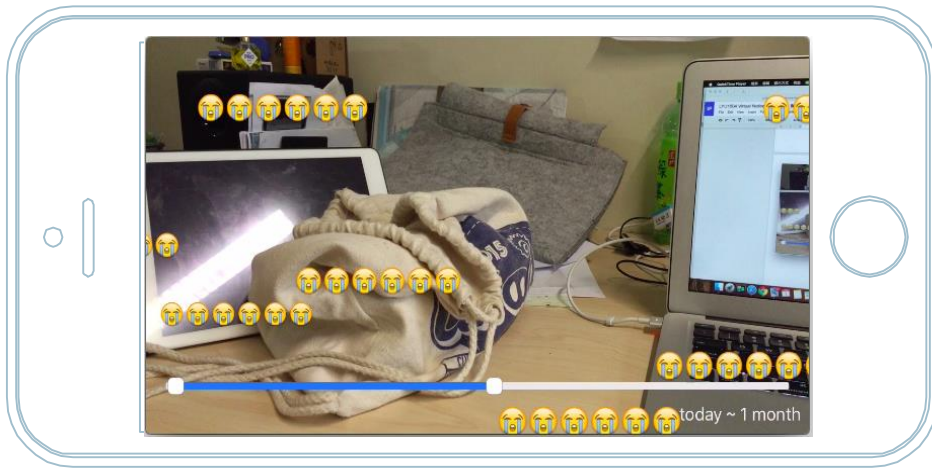
Filter Message



- ⦿ Message content
- ⦿ Tag
- ⦿ Position information

Phone rotation





Correct orientation

- ⦿ Moving message



Not correct orientation



7

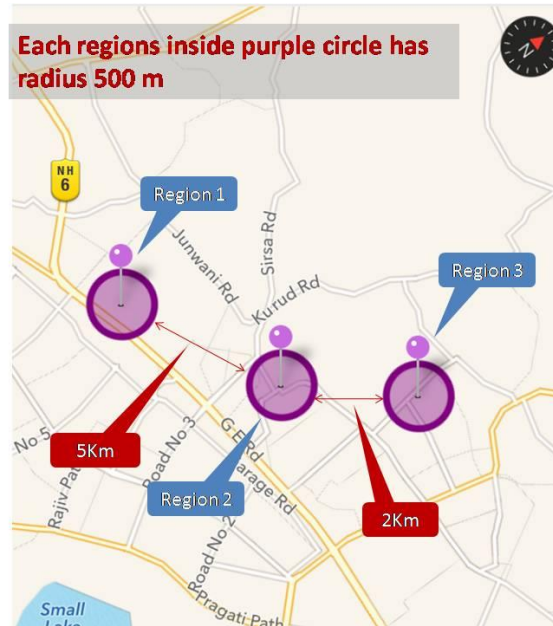
Challenge

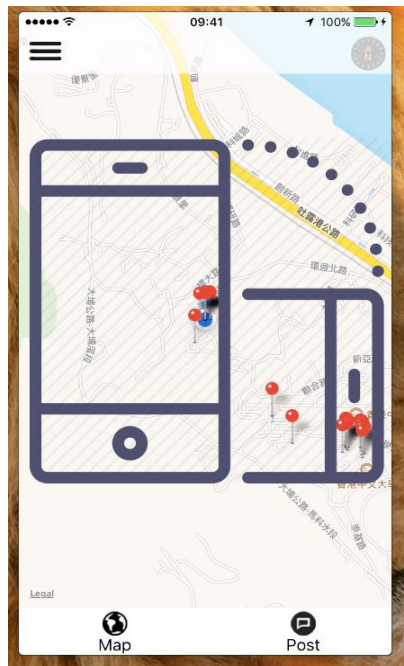


- Change in iOS and Swift Version

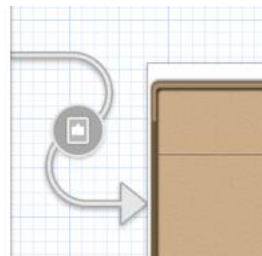


- Boundary of CLLocation in iOS API





○ Handling segue



The background features several decorative elements: a large orange ring in the top-left, a yellow circle below it, a pink circle further down, a green circle with a dashed border in the bottom-left, a large teal ring in the bottom-right, and a teal circle with a dashed border in the bottom-right. A large, light blue dashed circle is centered in the upper half of the page.

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Scenario



○ Lost and Find

- 
- Lost and Find
 - Finding Restaurant

The background features several decorative elements: a large orange ring with a dashed red inner circle in the top left; a large teal ring with a dashed light blue inner circle in the top center; a large teal ring with a white center in the bottom right; and various smaller solid and dashed circles in green, yellow, pink, and teal scattered throughout.

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Limitation and Future Work

A decorative background featuring a large, light blue dashed circle. Various colorful shapes are scattered around it, including a large green circle at the top left, a large cyan ring at the top center, a yellow circle at the top right, an orange circle at the bottom left, and a yellow circle at the bottom right. There are also several smaller circles in green, blue, orange, and pink.

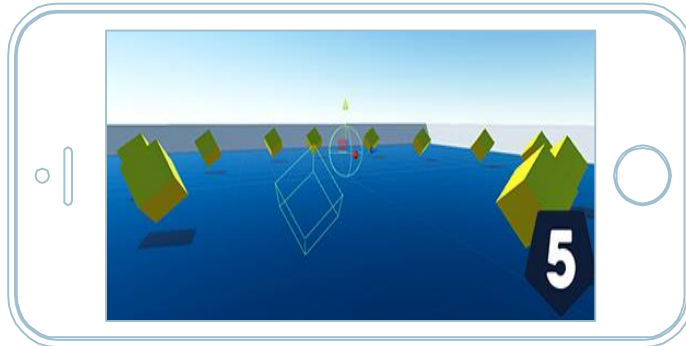
“

○ Positioning System

“



- Positioning System
- Reading message can be more fun



The background features several decorative elements: a large orange ring with a dashed red inner circle in the top left; a large teal ring in the bottom right; a large teal circle with a dashed teal border in the top center; a large green circle with a dashed green border in the top right; a large yellow circle in the middle left; a small pink circle below the yellow one; a large green circle with a dashed green border in the bottom left; a large lime green circle in the bottom left; a small cyan circle to the right of the lime green one; a large cyan circle with a dashed cyan border in the bottom right; and a small orange circle above the lime green one in the top right.

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Demo Time

Thanks!



Any questions?