



Wireless Device Programming

Cases Study

Witcha Feungchan
Class 2013





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Class 2013



Overview

- Design case studies
- Bangkok Explorer
- Khon Kaen Marathon
- Tiny Coffee
- CheckIn4GoodDeals
- Discussions

Bangkok Explorer



สำนักงานส่งเสริมอุตสาหกรรมซอฟต์แวร์แห่งชาติ (องค์การมหาชน)
Software Industry Promotion Agency (Public Organization)



Executive Summary

Bangkok Explorer game was funded from 84 Projects by SIPA. This game was designed and developed by our professional team who put all of their effort to create this fun game. The game concepts are providing the informative contents of Bangkok's attraction places along with fun and innovative mini-games. This game would help promoting our attractive places in the heart of Bangkok (Rattanakosin area). In conclusion, the Bangkok Explorer game is one of our best mobile games that made us proud and eager to pursue our carrier as game developers.

Design Concept

- Learn and Adventure
- Explore Bangkok and having fun with game
- Lot of innovation games and interactivities
- Ubiquitous Entertainment
- Encourage to have physical activities

Game Design Document

- 10 mini games
- Game world maps to Rattanakosin area
- Design games based on location and story
- Play game anywhere

Game Design Document



Figure 2.1 ภาพประกอบมินิเกมปริศนาศิลป์

Game Design Document

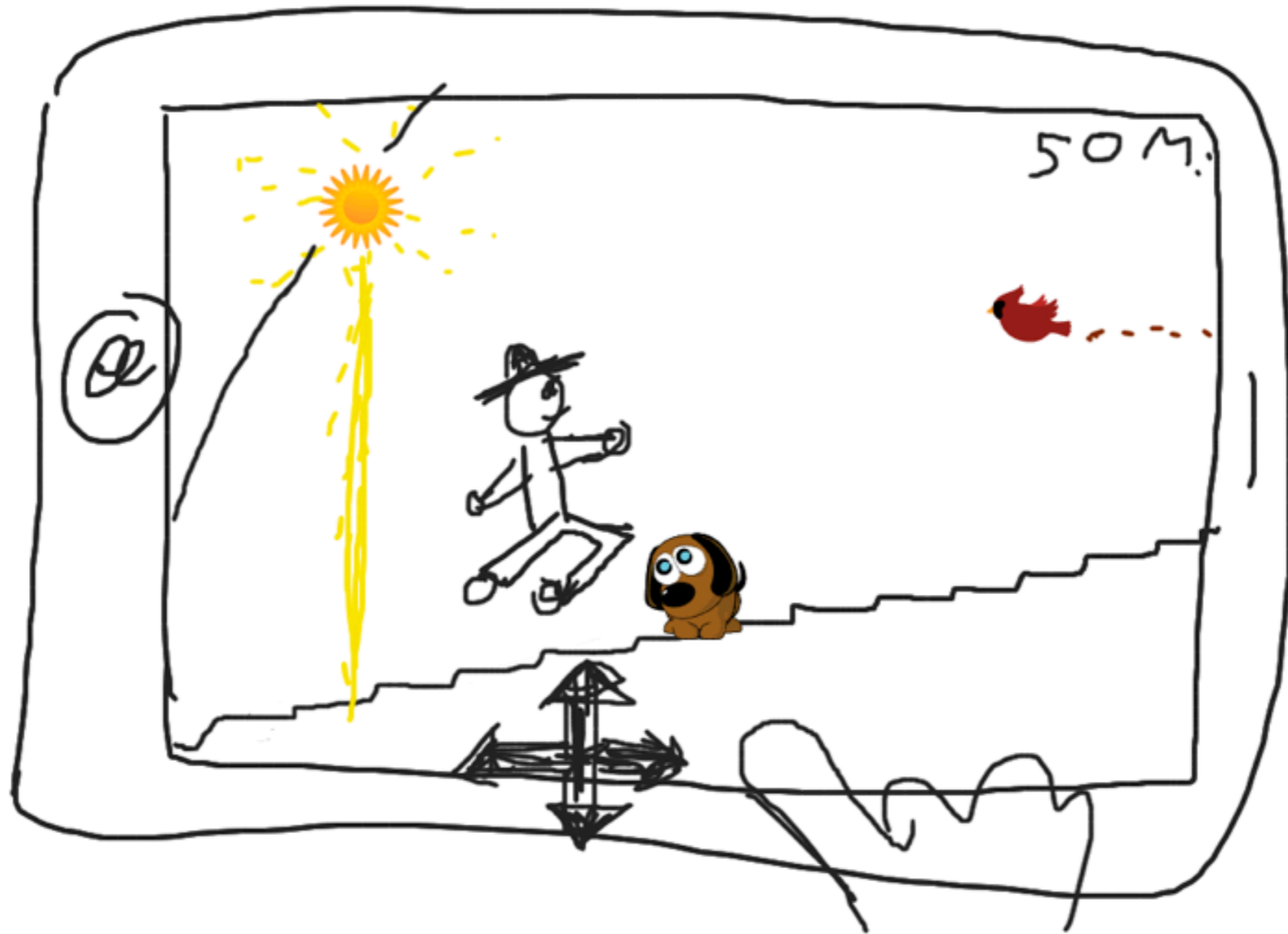


Figure 2.2 ภาพประกอบมินิเกมภูเขาทอง

Game Design Document

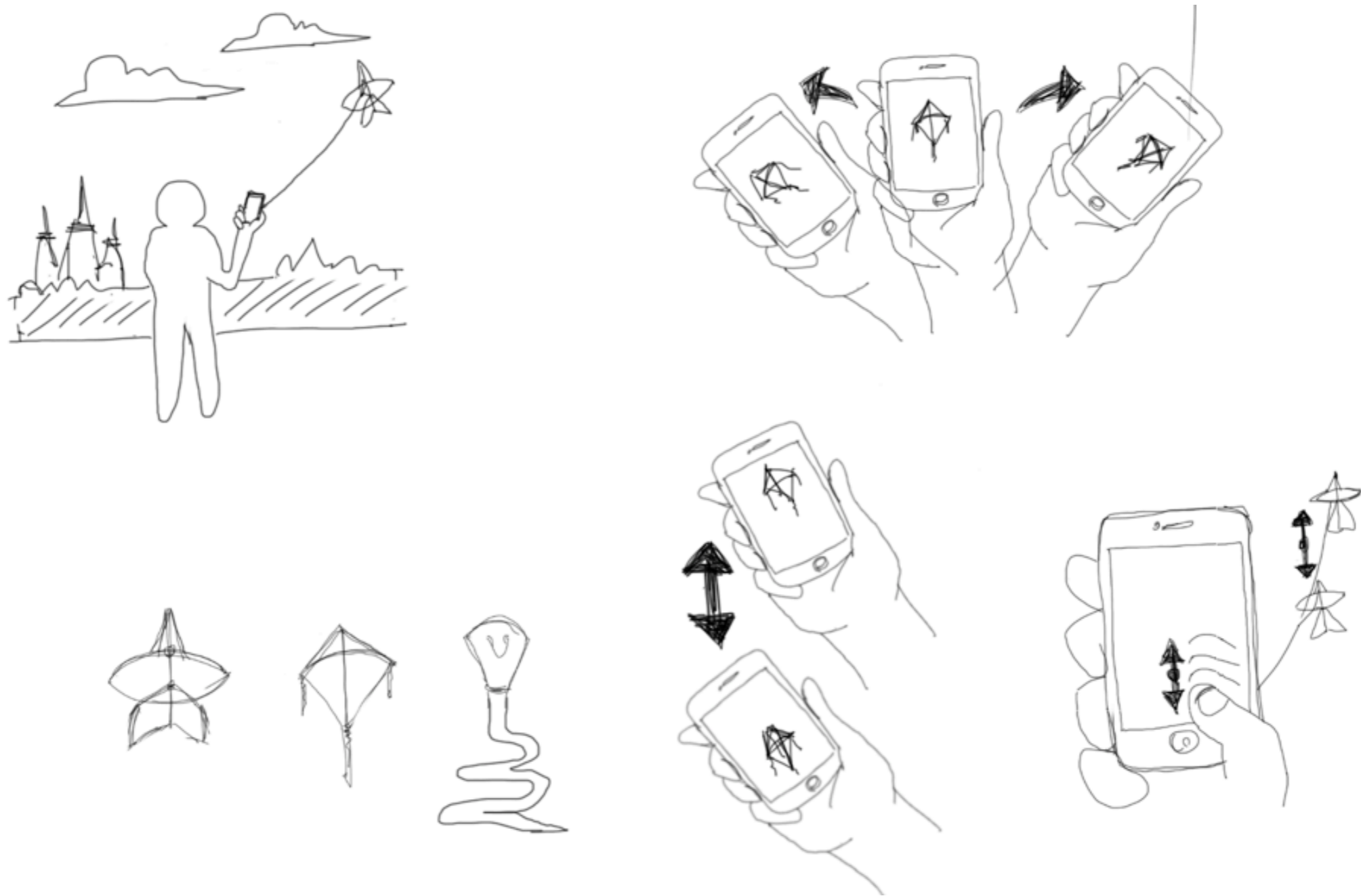


Figure 2.3 ภาพประกอบมินิเกมเล่นว่าวกัน

Game Design Document

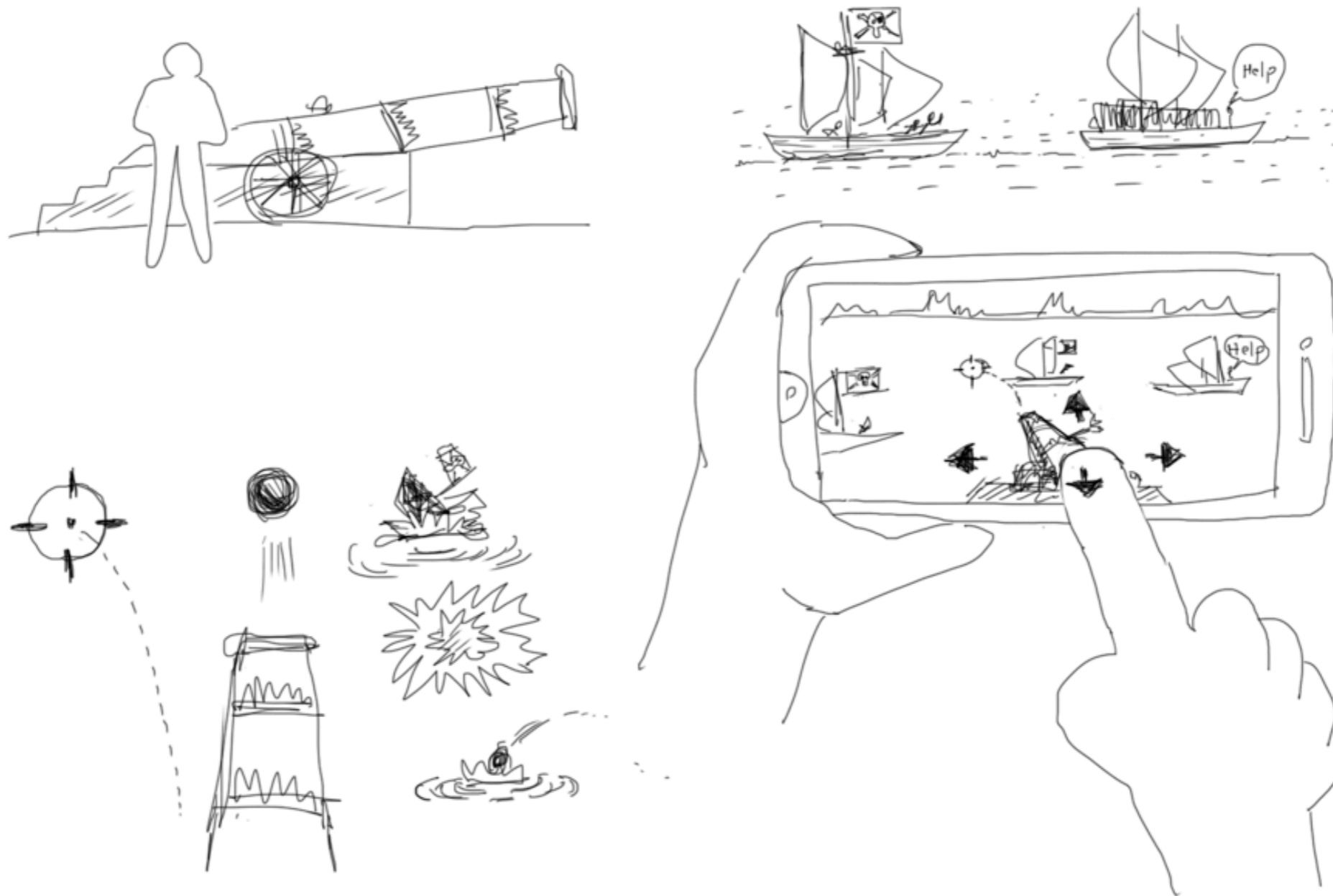


Figure 2.4 ภาพประกอบมินิเกมป้อมปืนพิฆาต

Game Design Document



Figure 2.5 ภาพประกอบมินิเกมตีกลิ้งกับยักษ์

Game Design Document

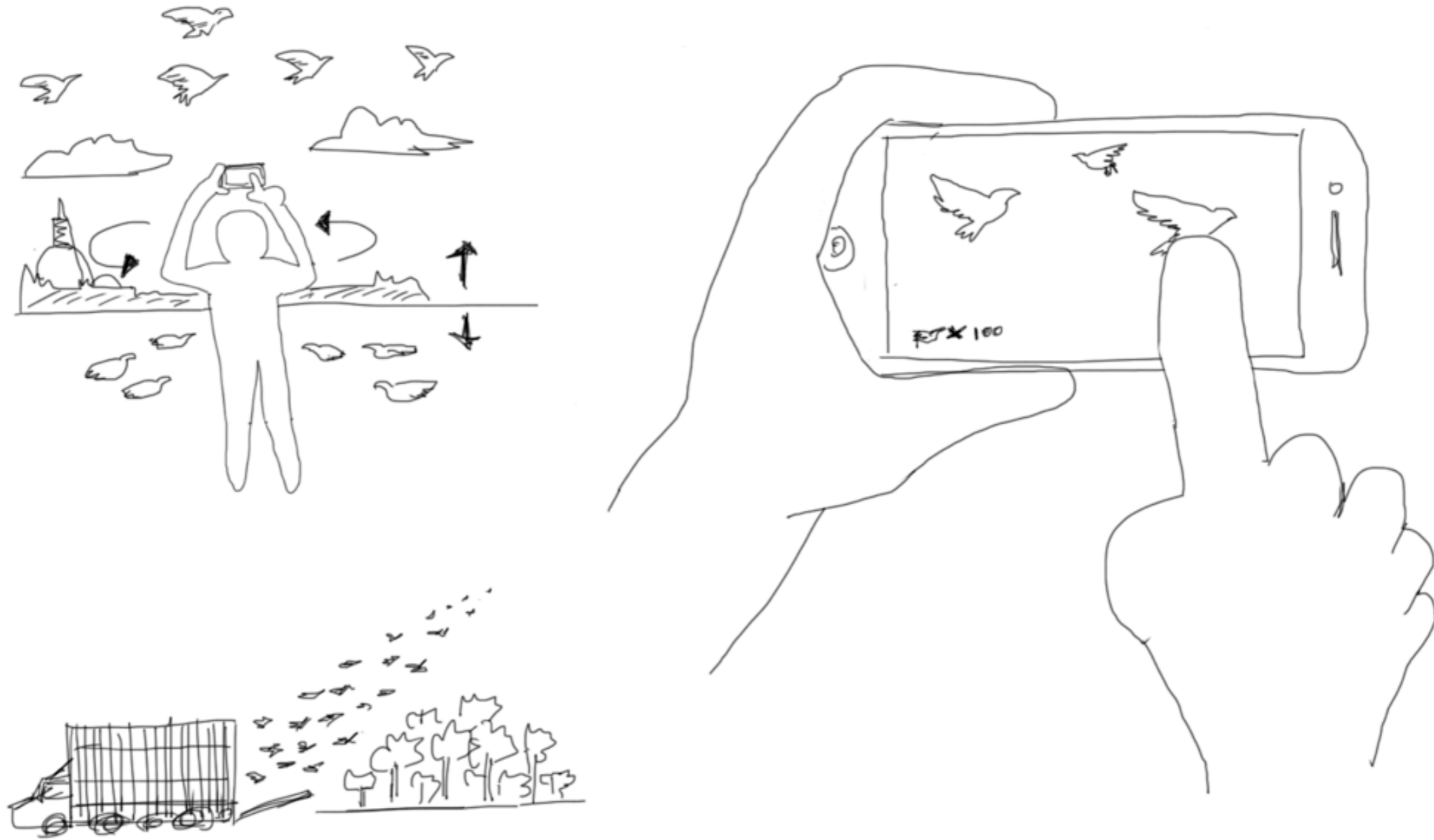


Figure 2.6 ภาพประกอบมินิเกมจับนกพิราบกัน

Game Design Document



Figure 2.7 ภาพประกอบมินิเกมผสมสวนสัตว์ช่วยปรากฏ

Game Design Document

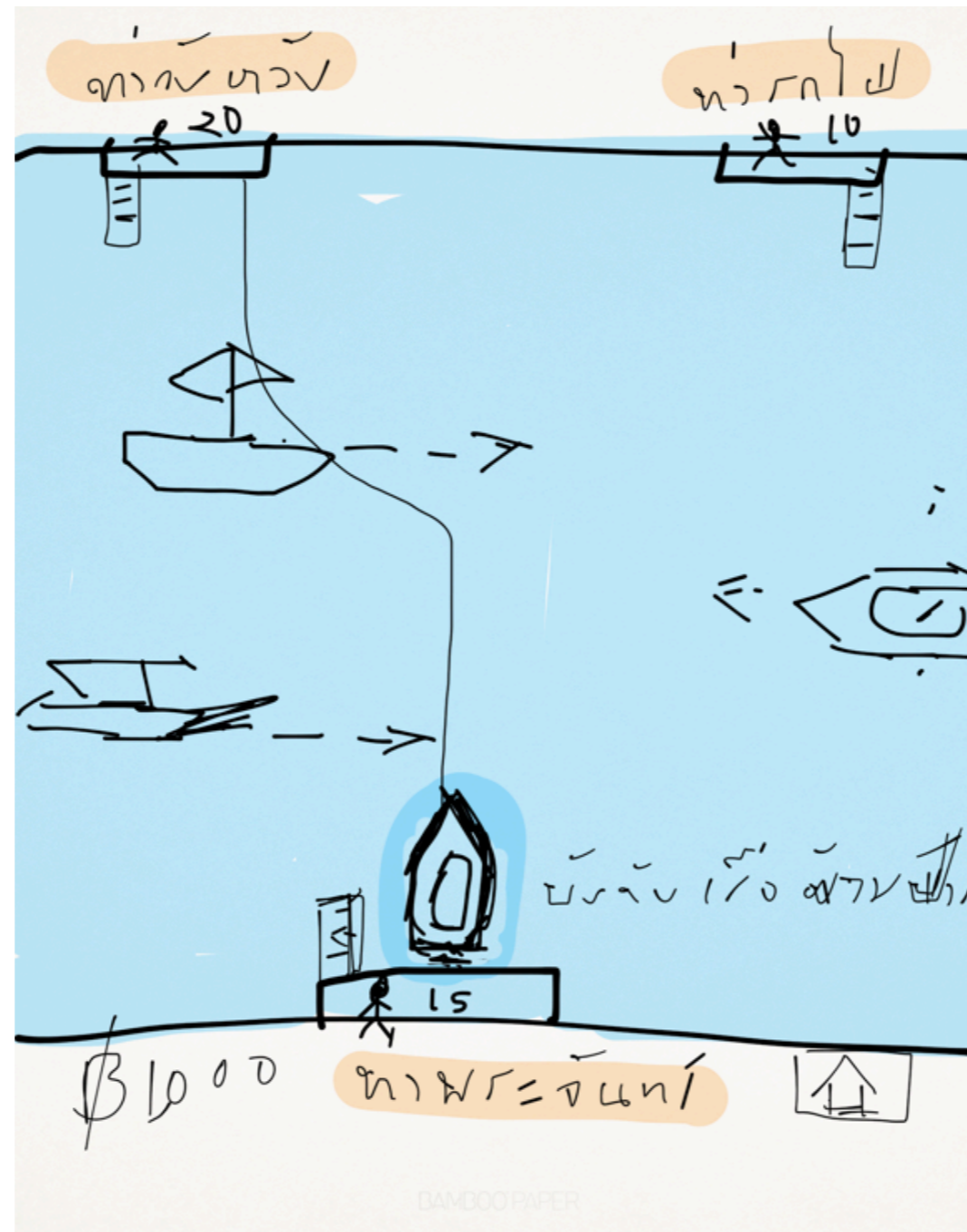


Figure 2.8 ภาพประกอบมินิเกมกัปตันเรือท่าพระจันทร์

Game Design Document

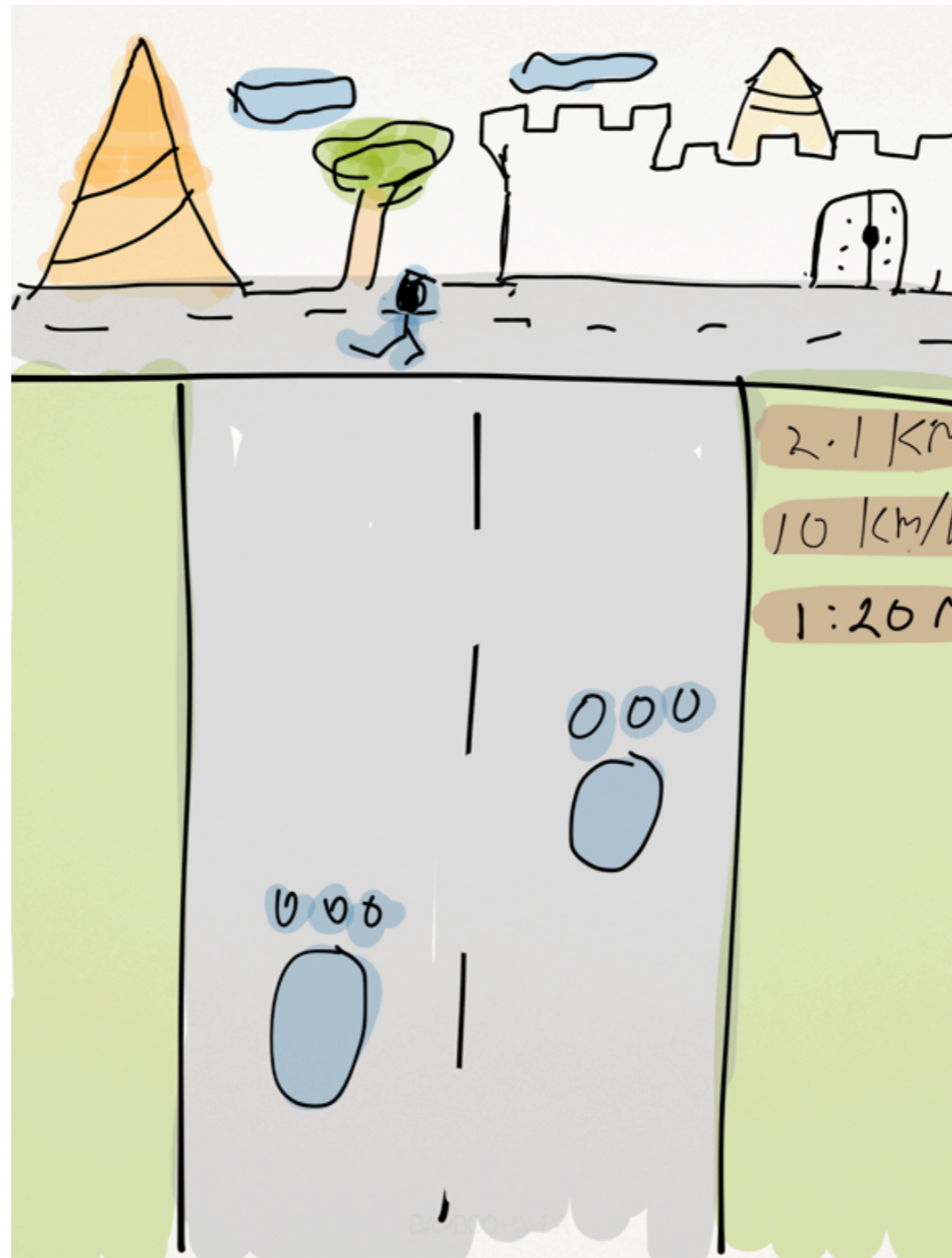


Figure 2.9 ภาพประกอบมินิเกมวิ่งรอบเกาะ

Game Design Document

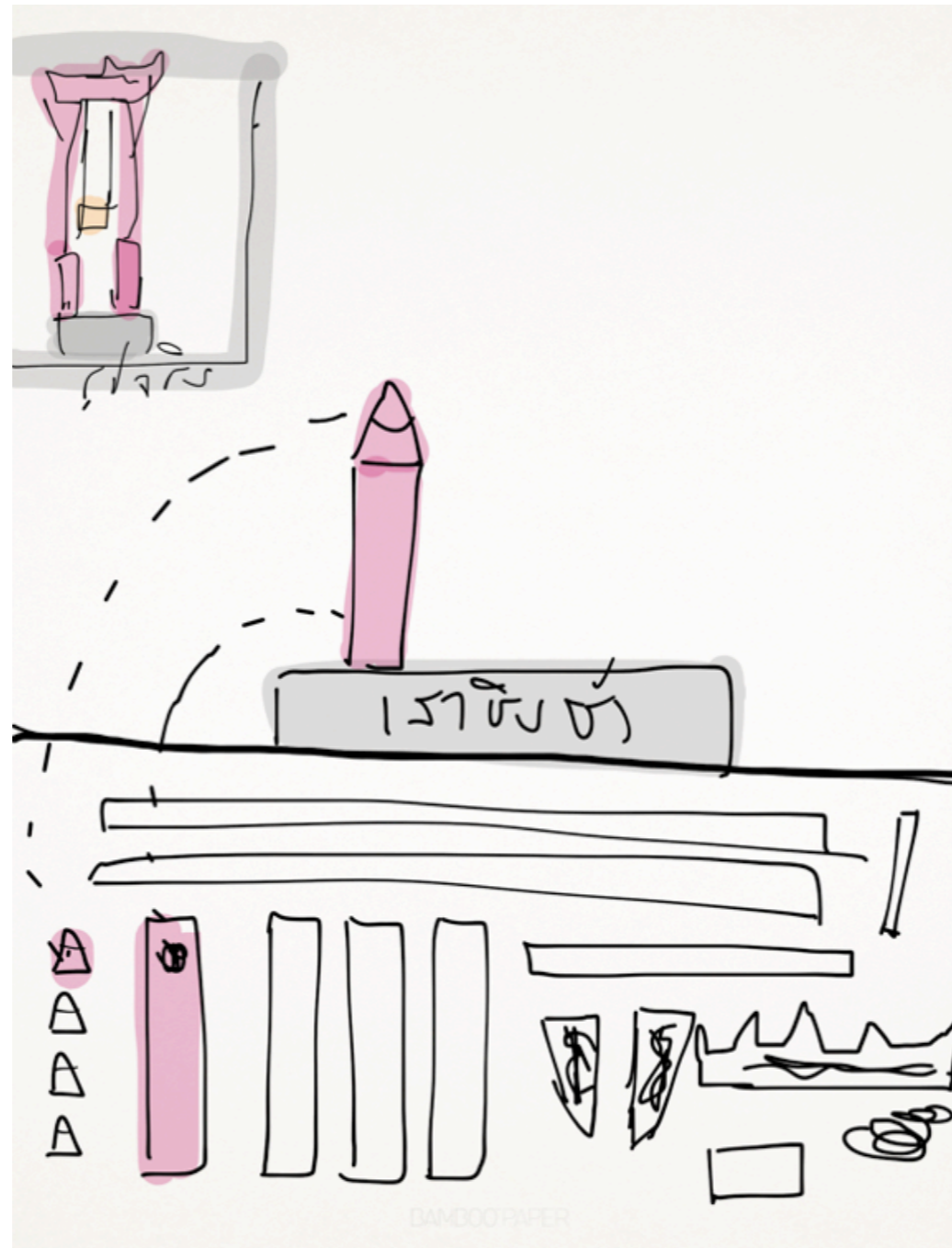


Figure 2.10 ภาพประกอบมินิเกมสร้างเสาชิงช้ากัน

Game Design Document

Bamboo Paper – Notebook

By Wacom

Open iTunes to buy and download apps.

[View More By This Developer](#)



[View In iTunes](#)

Free

Category: Productivity
Updated: 20 February 2013
Version: 1.8.5
Size: 25.2 MB
Languages: English, Dutch, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Traditional Chinese
Seller: Wacom Europe GmbH
© Wacom Co. Ltd.
Rated 4+

Requirements: Compatible with iPad. Requires iOS 5.0 or later.

Customer Ratings

Current Version:
★★★★ 13 Ratings
All Versions:
★★★★ 264 Ratings

Top In-App Purchases

1. Full version \$1.99

Description

Bamboo Paper, a notebook app designed to give you the best and most realistic inking experience on your iPad or iPad mini. Do more with your ideas – sketch or write them in an authentic paper-like digital notebook.

[Wacom Web Site](#) ▶ [Bamboo Paper – Notebook Support](#) ▶

[...More](#)

What's New in Version 1.8.5

- Add as many new notebooks to your library as you like*
- Improved palm rejection
- Several bugs fixed

[...More](#)

iPad Screenshots



Architecture

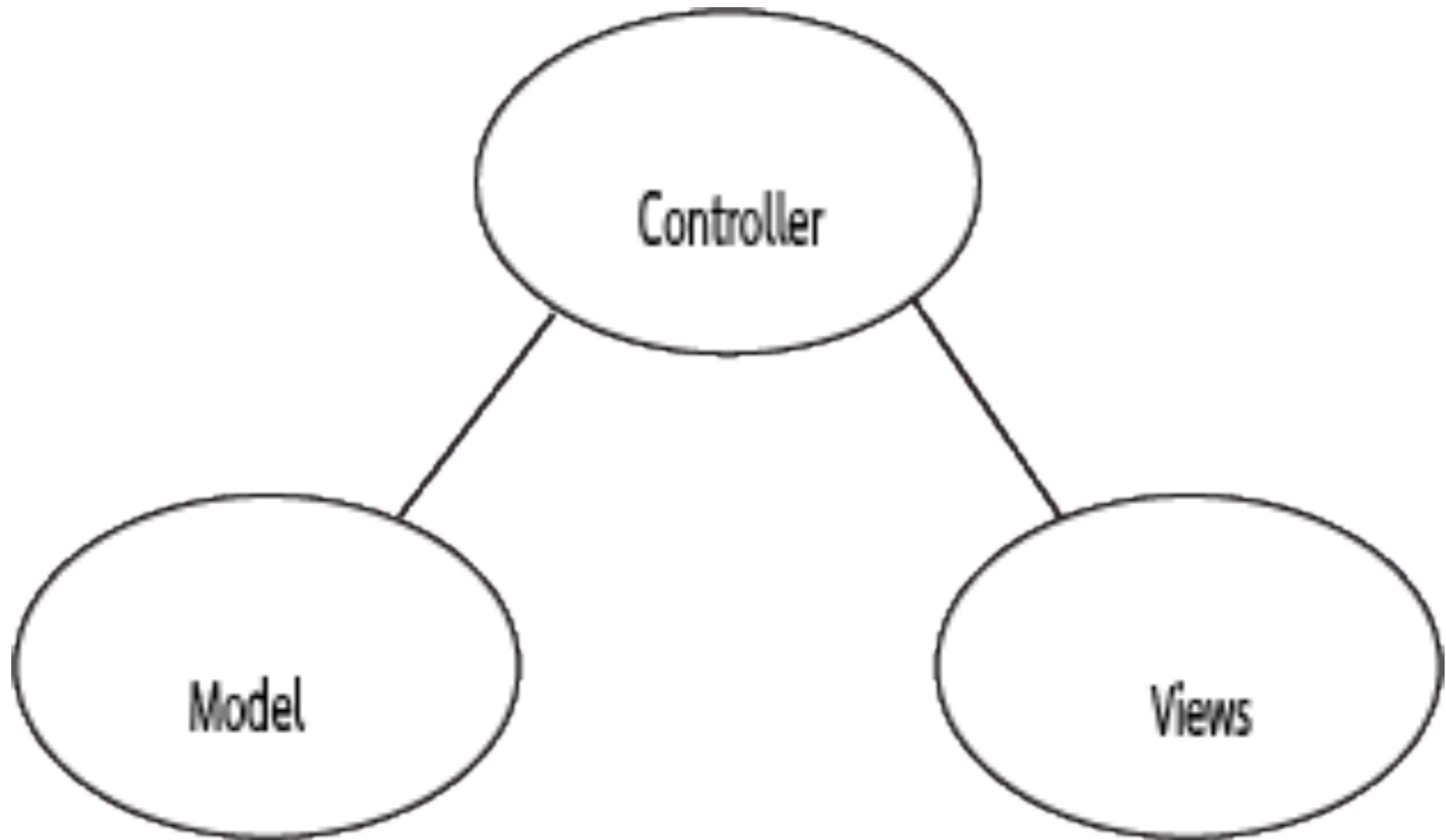


Figure 2.11 สถาปัตยกรรมแบบ MVC

Architecture

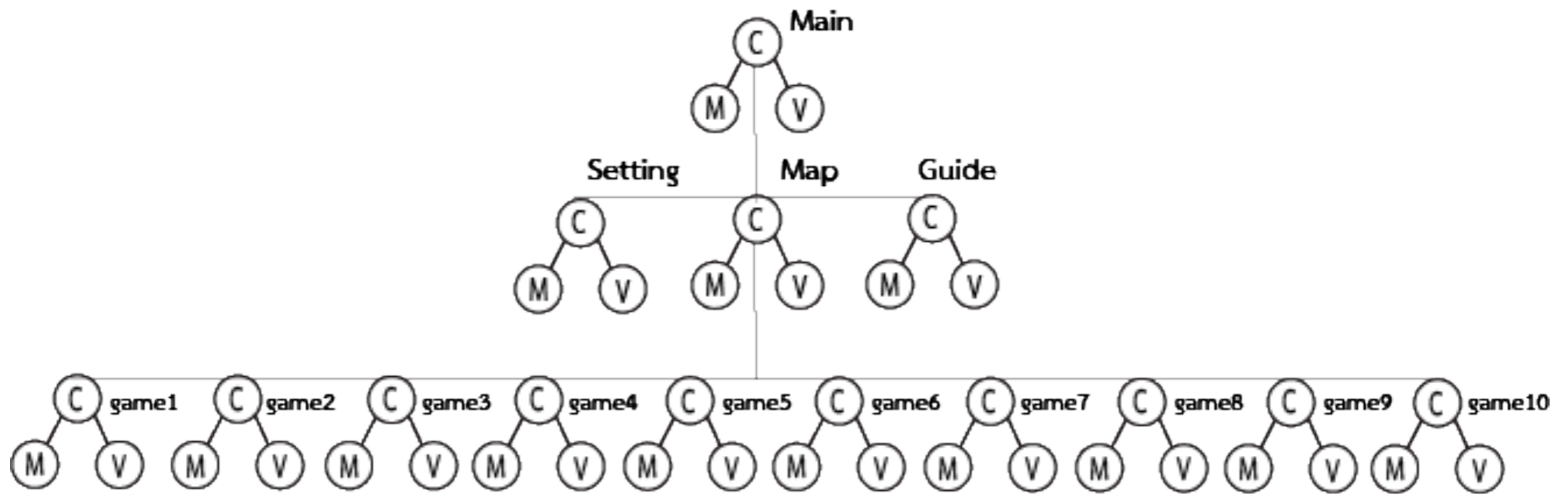


Figure 2.12 สถาปัตยกรรมแบบหลาย MVC

Architecture

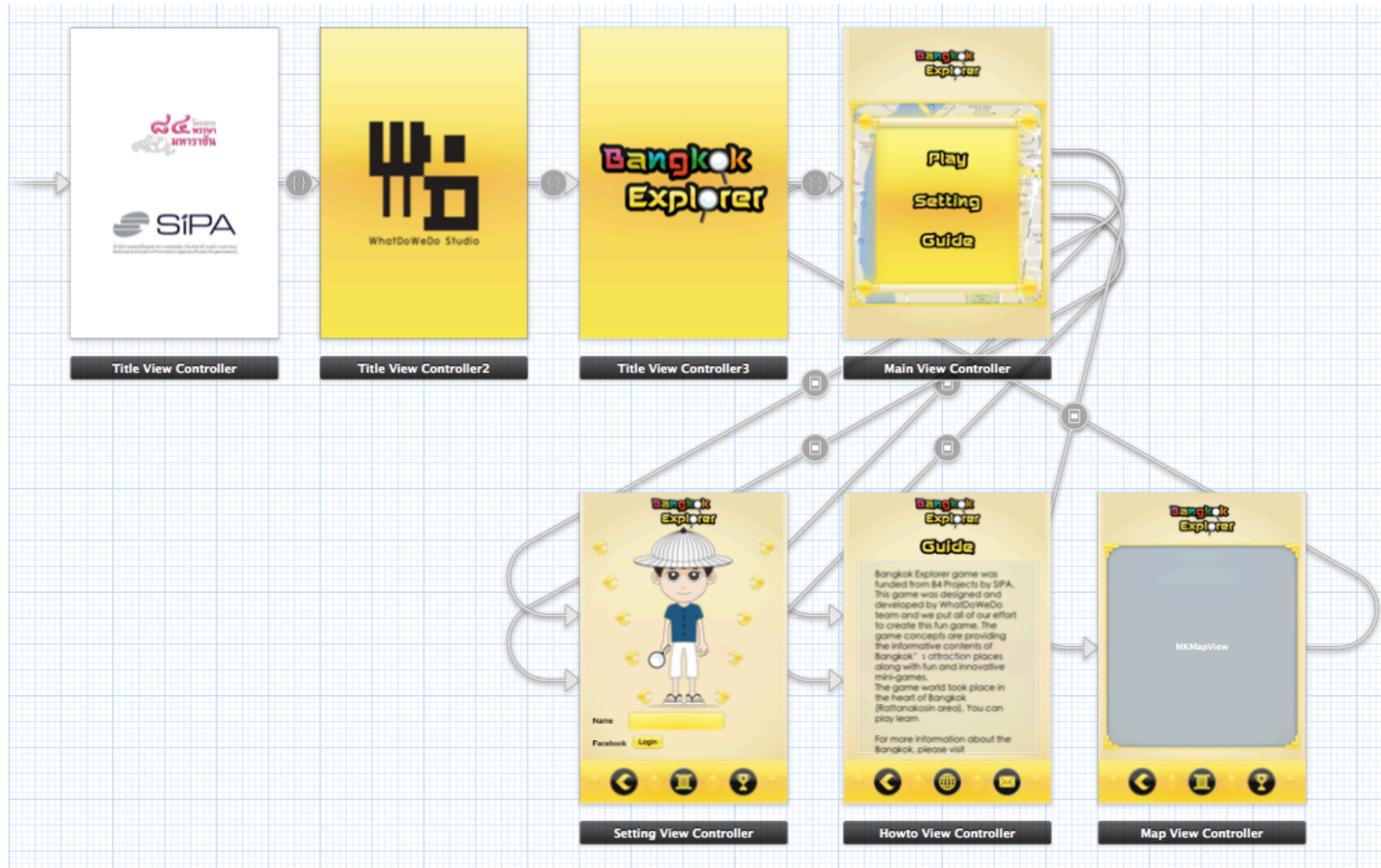


Figure 2.13 แสดง Story Board

User Interface

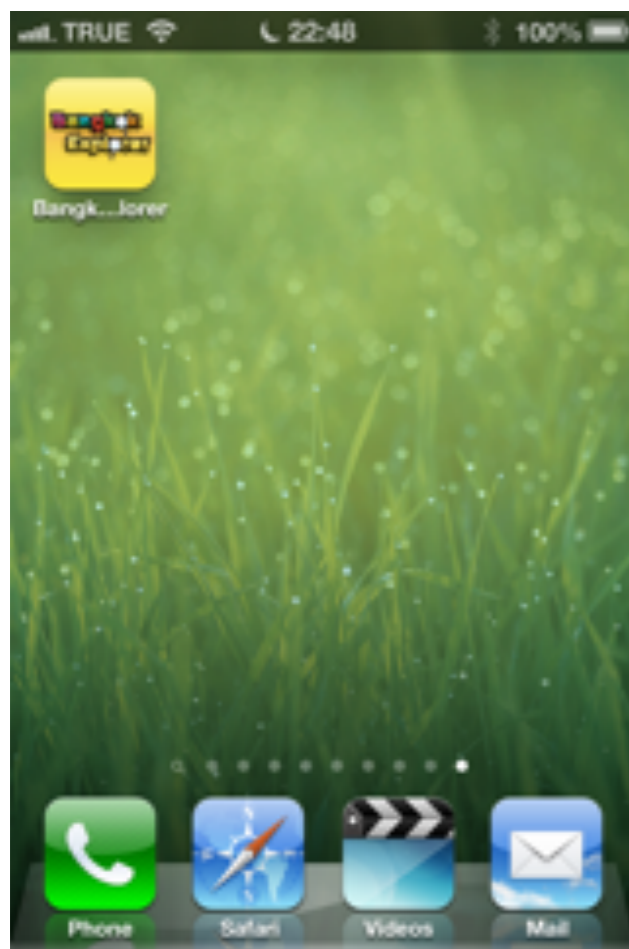


Figure 3.2 แสดงหน้าจอแนะนำ splash screens

User Interface



Figure 3.3 ไอคอนและเมนูหลักของเกม

User Interface



Figure 3.4 หน้าจอแนะนำแสดงรายละเอียดแนะนำเกม

User Interface



Figure 3.5 หน้าจอแนะนำเว็บไซต์เกม และส่งจดหมายอิเล็กทรอนิกส์แนะนำเกม

User Interface



Figure 3.6 การตั้งค่าสามารถเปลี่ยนเครื่องแต่งกายตัวละคร เพศ ชื่อ เข้าใช้ facebook

User Interface



Figure 3.7 หน้าจอแผนที่หลัก

Game Interface



Game Interface



Figure 3.10 มินิเกม1 (ข)

Game Interface



Figure 3.11 มินิเกม3

Game Interface

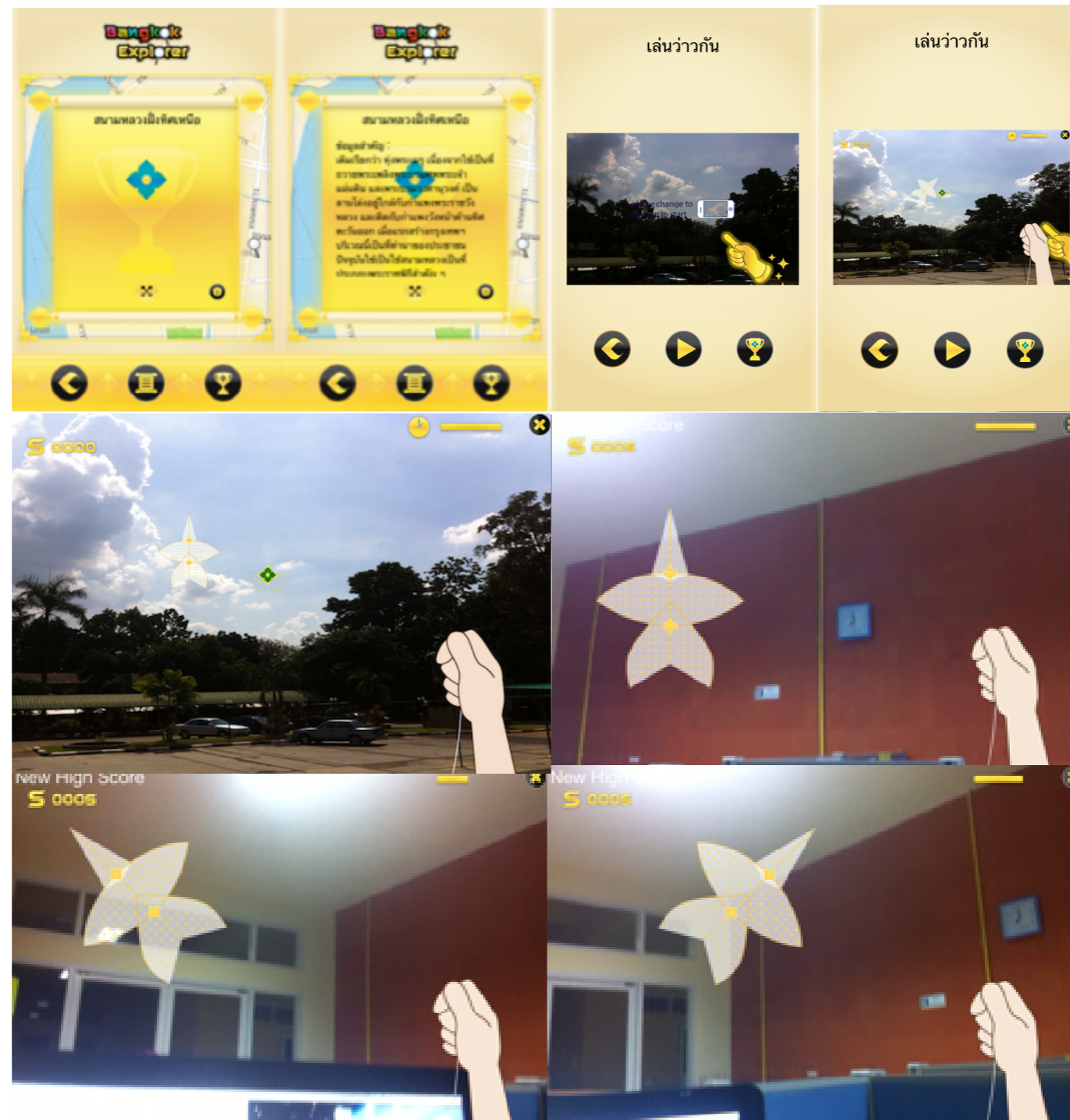


Figure 3.12 มินิเกม3

Game Interface



Figure 3.13 มินิเกม4

Game Interface



Figure 3.14 มินิเกม5

Game Interface



Figure 3.15 มินิเกม6

Game Interface



Game Interface

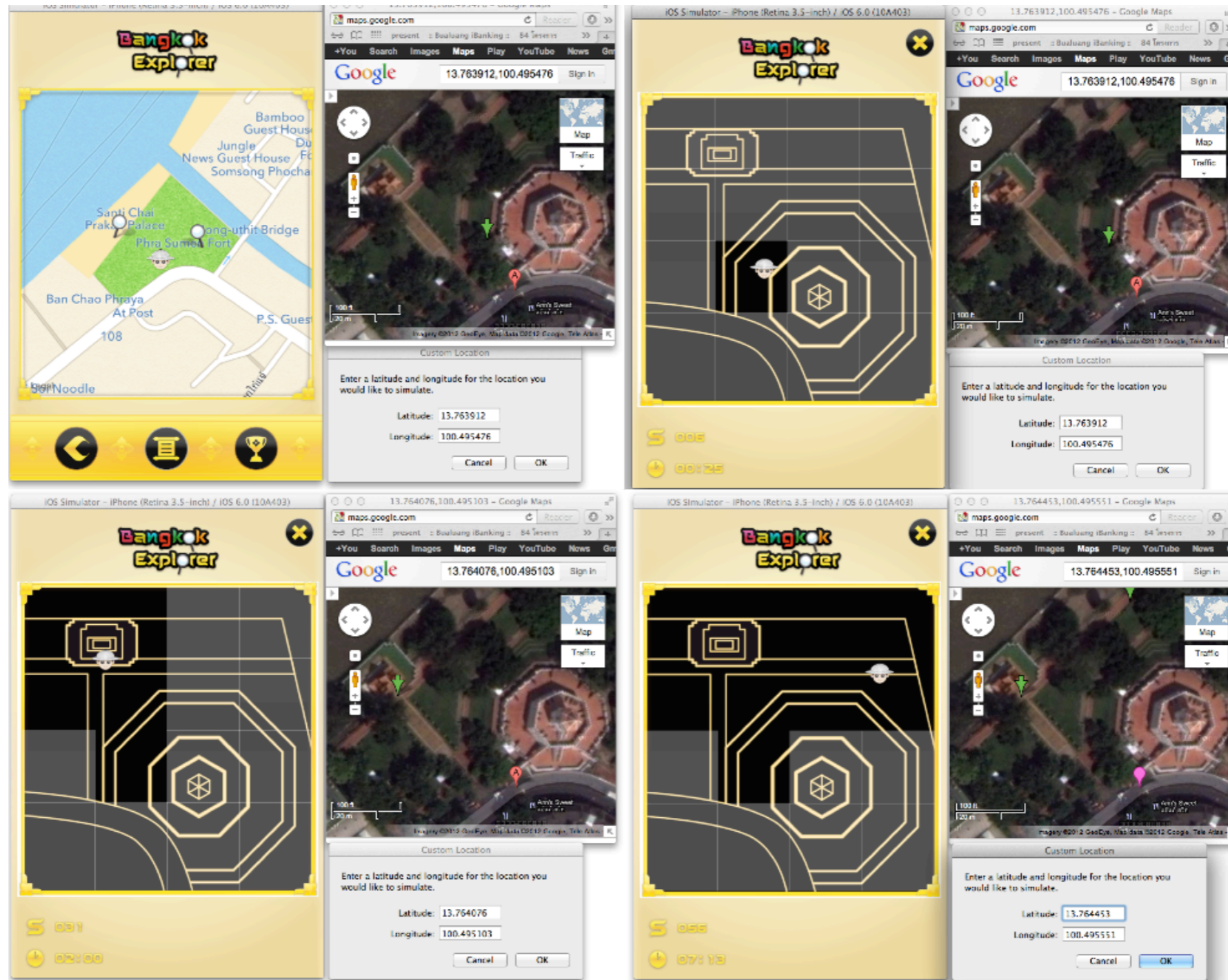


Figure 3.17 ผลการทดสอบเกมโดยใช้พิกัดจริง

Game Interface



Figure 3.18 มินิเกม8

Game Interface



Figure 3.19 มินิเกม9

Game Interface

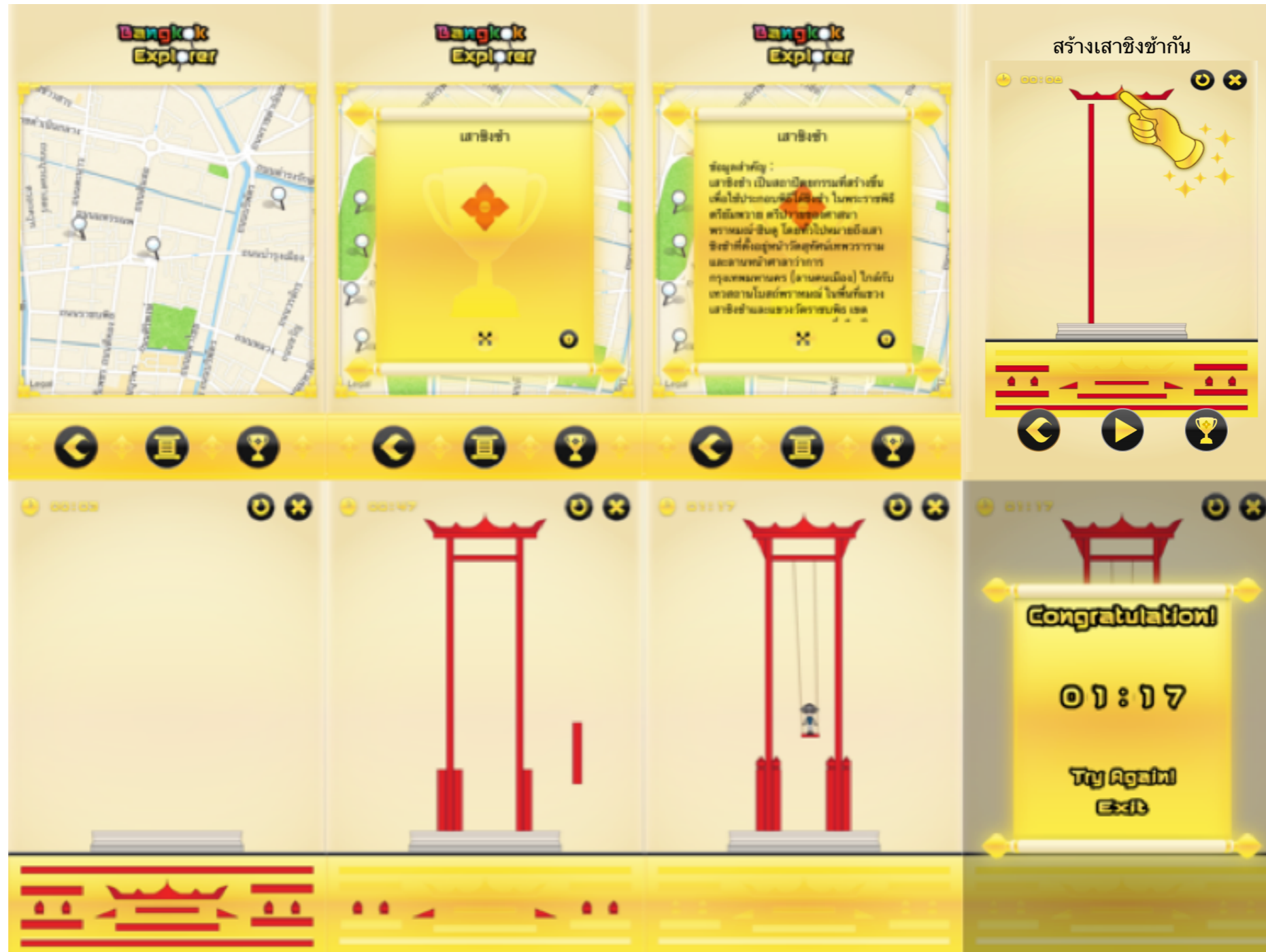


Figure 3.20 มินิเกม10

Game Interface

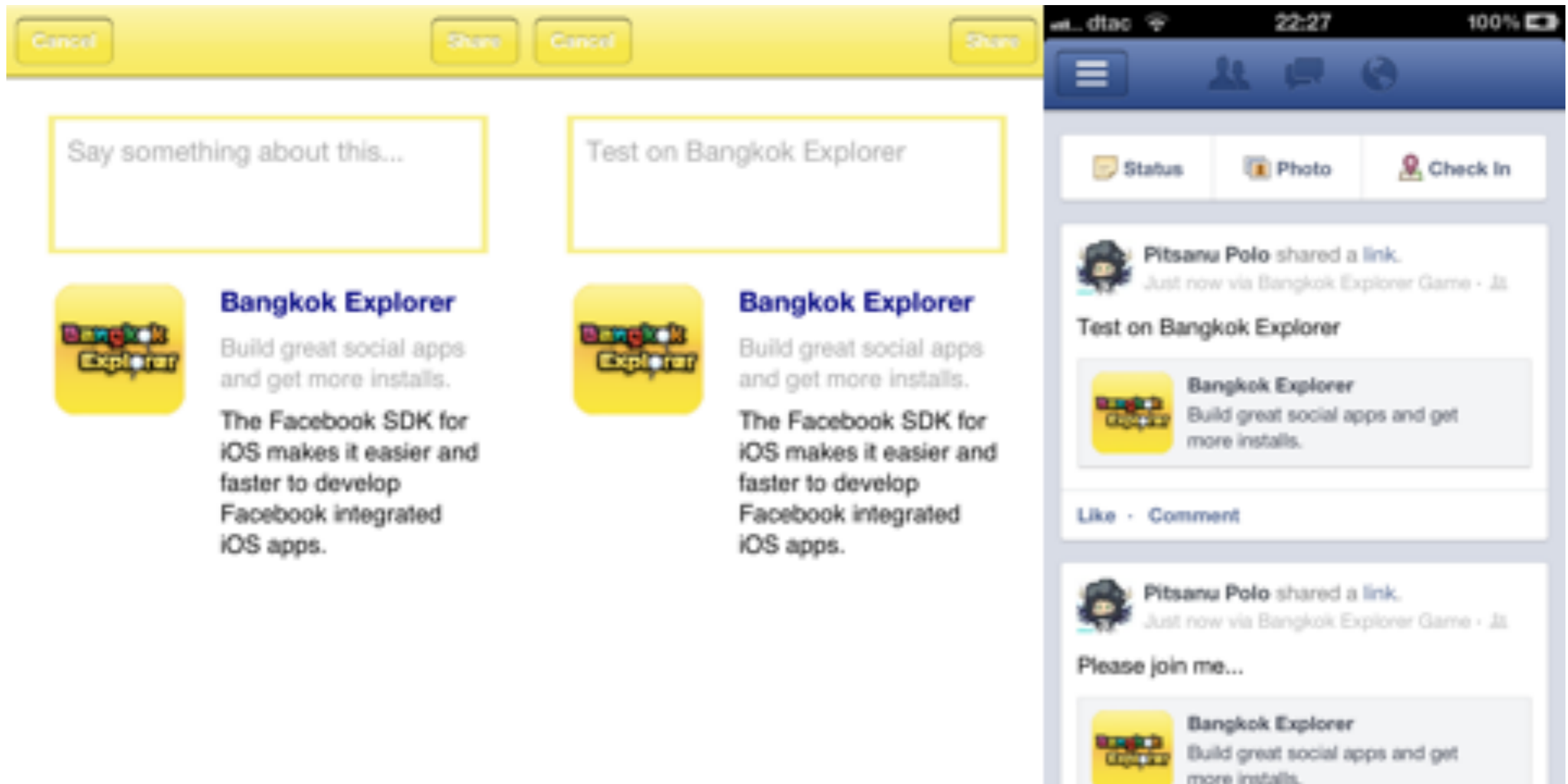


Figure 3.21 แสดงการเชื่อมต่อและโพสต์ไปยัง facebook

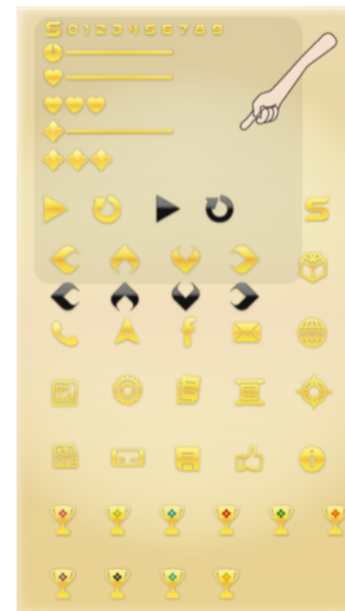
Artworks



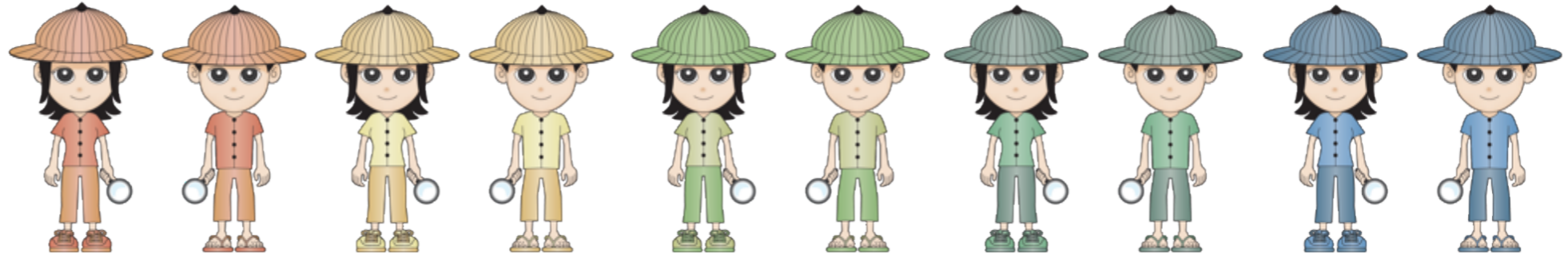
Artworks

You Win!
You Lose!
Game Over!
Time Up!
Congratulation!
Hurry Up!
Try Again!
Loading...
Play
Pause
Exit
Back
Start
Mission
Reward
Award
End
Play
Setting
Guide

Credits
Menu
Points 0123456789.,
Explore
Location
Site
Area
Fire
Hit!
Miss!
Bang!
Up! Up
Down! Down
Left! Left
Right! Right



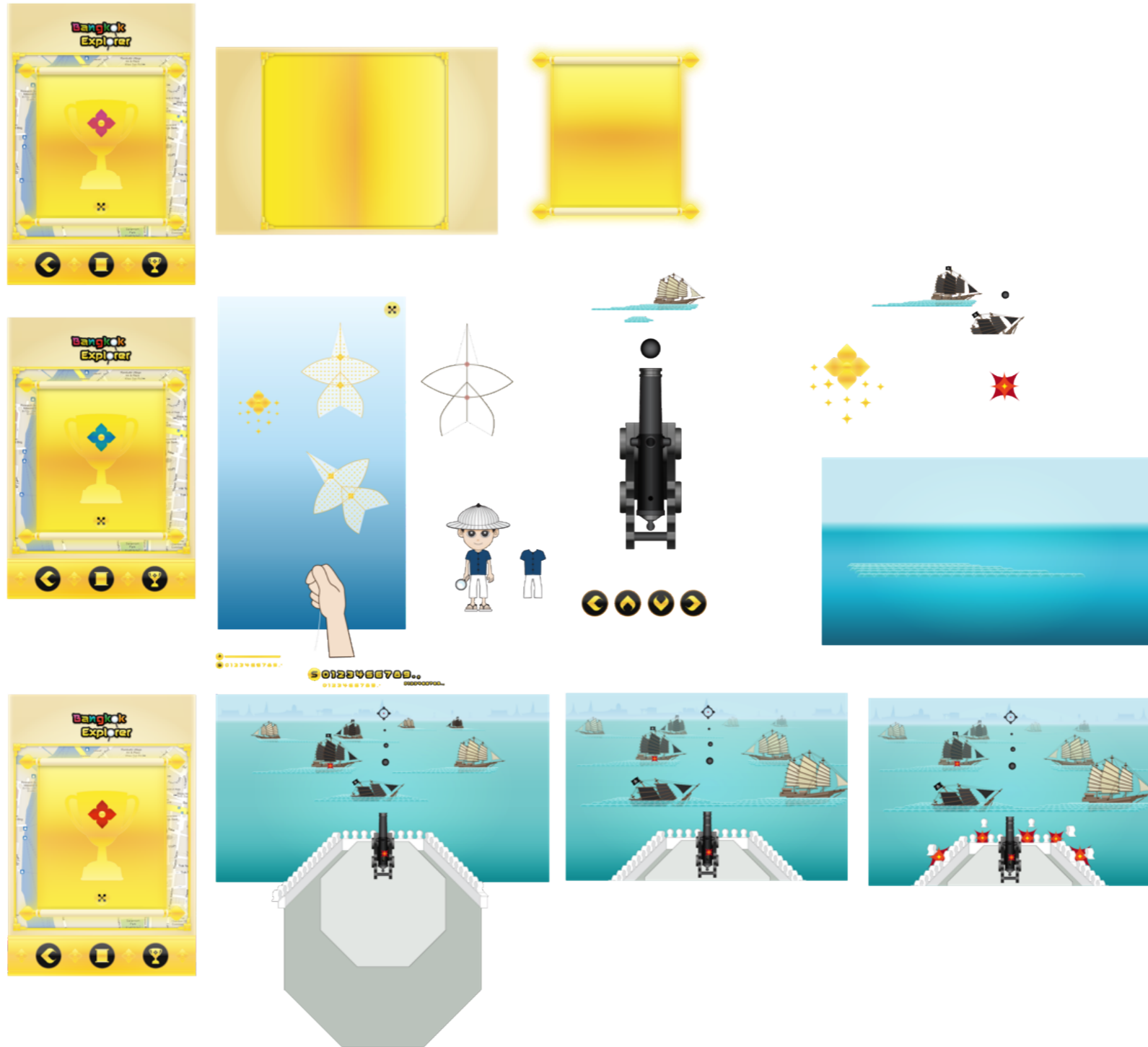
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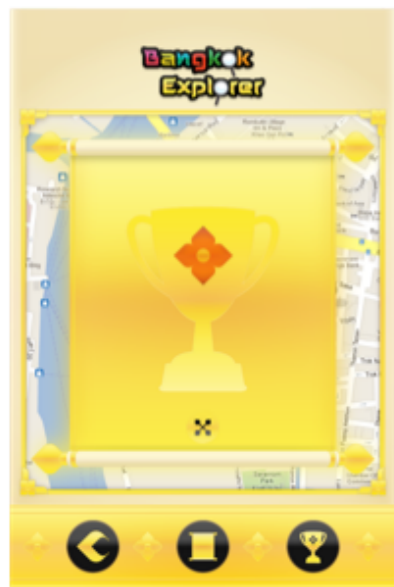
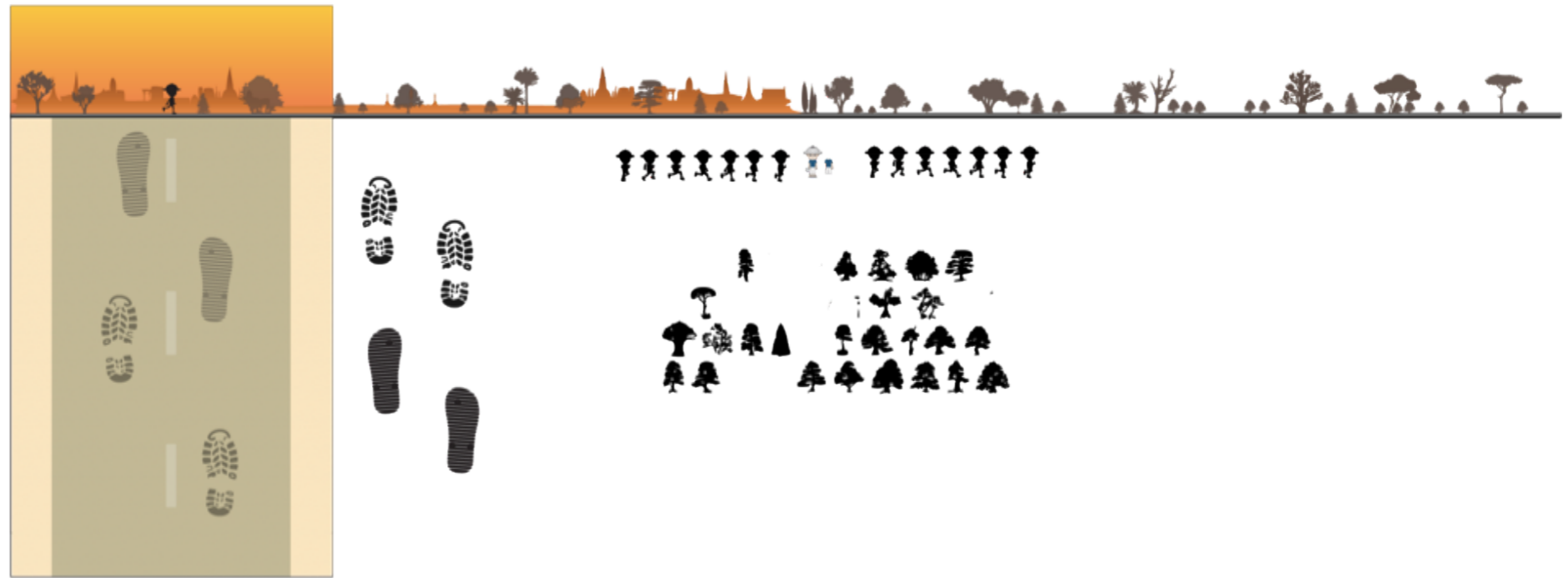
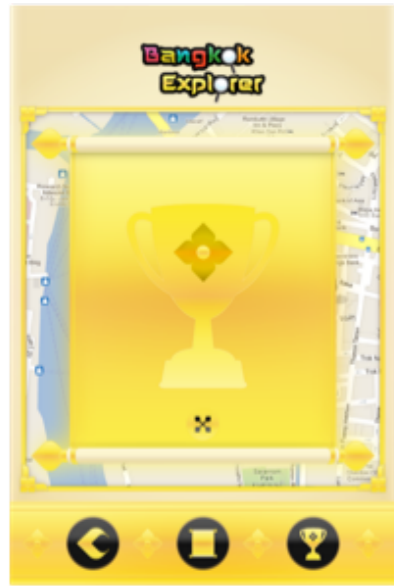
Artworks



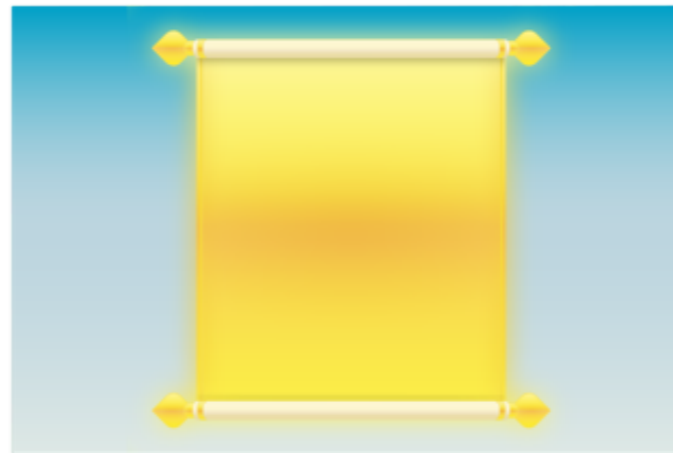
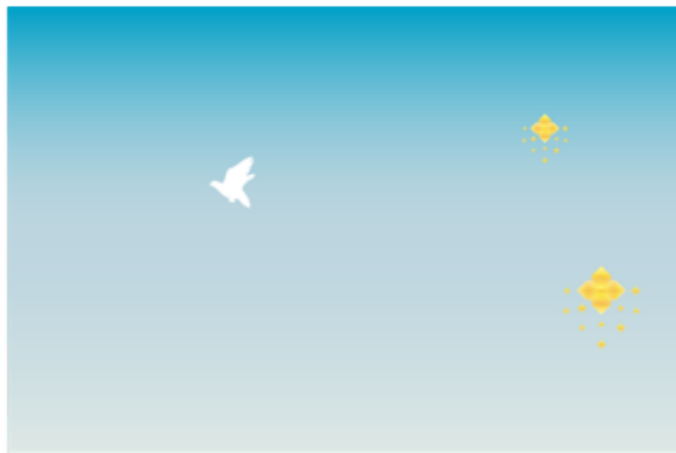
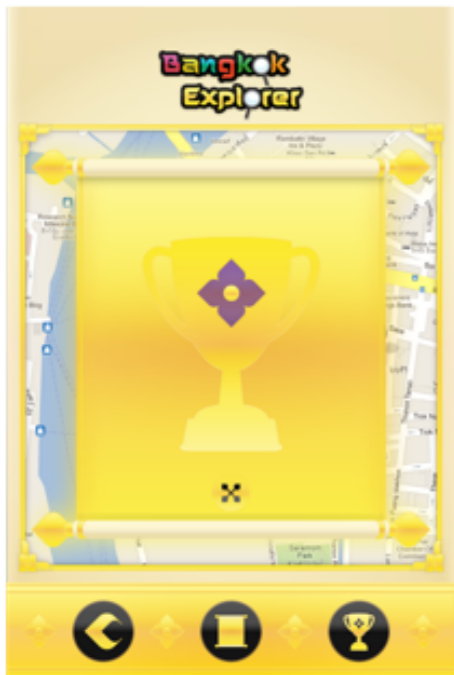
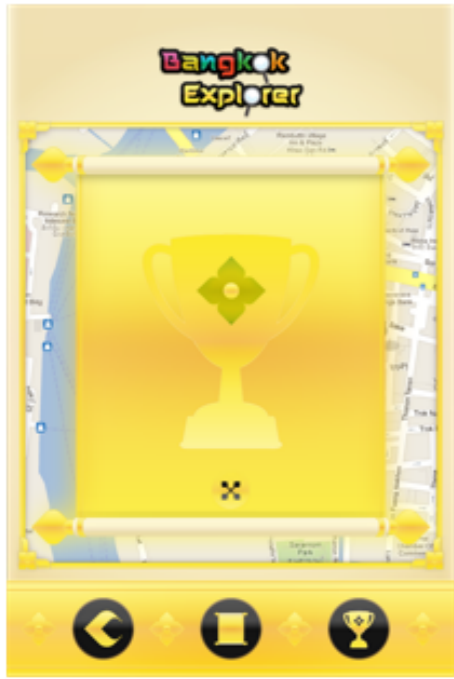
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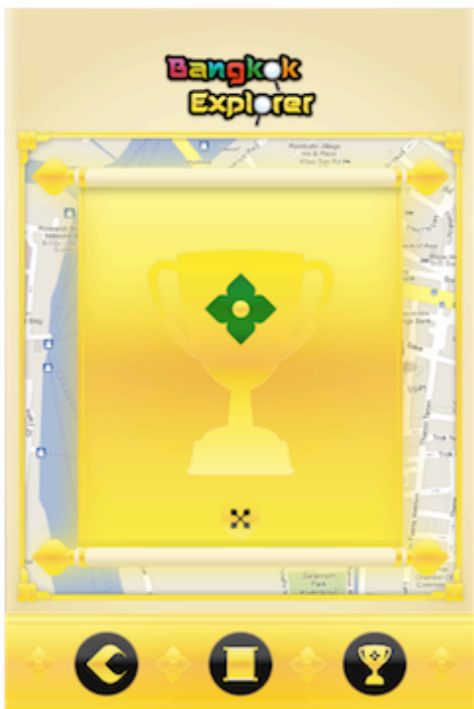
Artworks



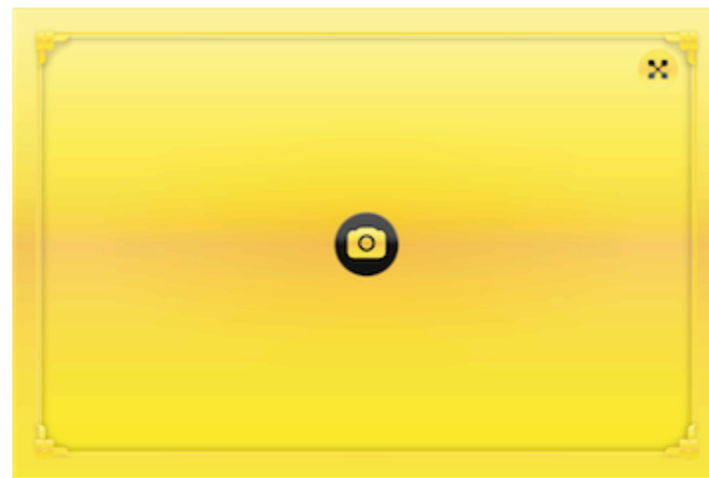
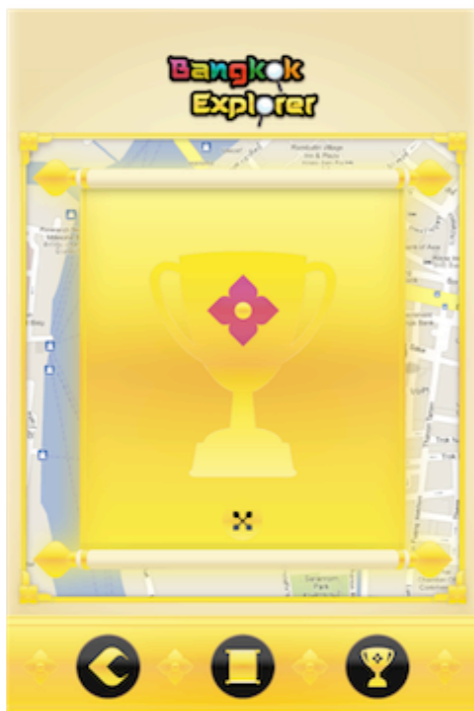
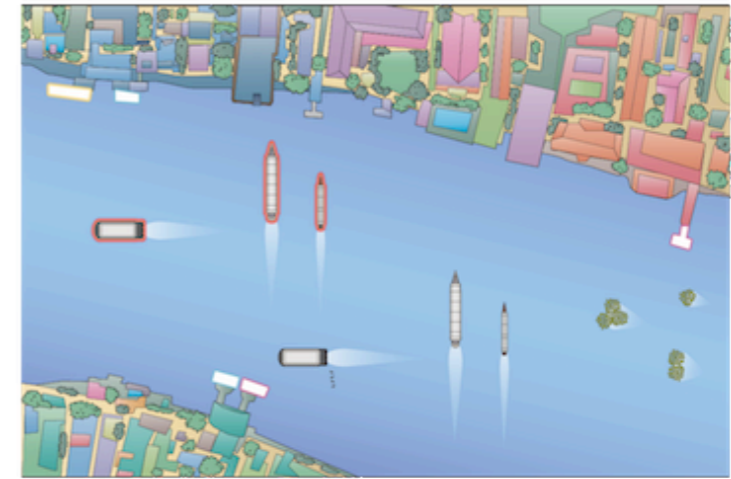
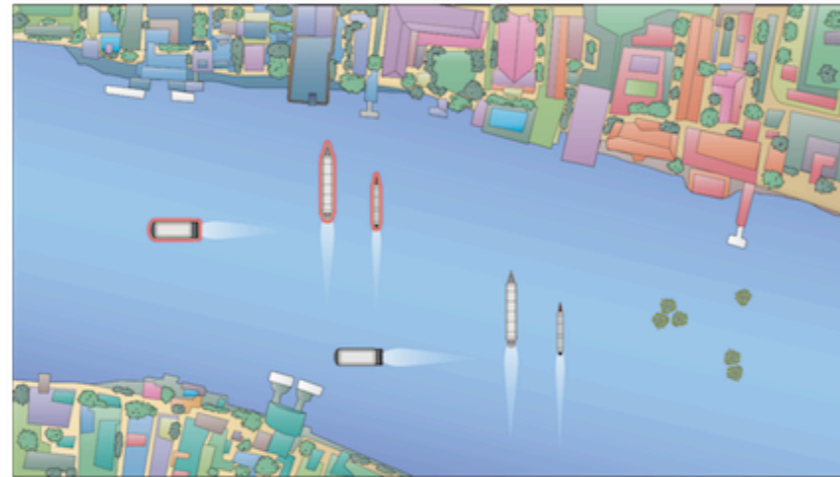
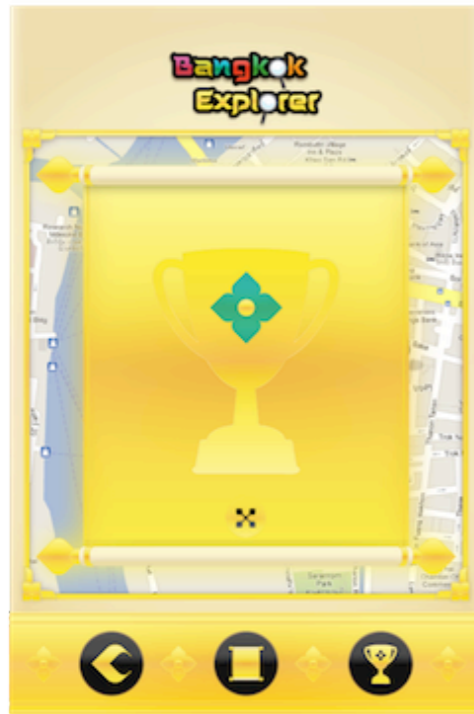
Artworks



Artworks



Artworks



Artworks



Apply for

- Use as a case study for IOS game development
- Example for game development projects
- อบรมโครงการพัฒนาแอปพลิเคชันบนโมบาย(iOS) ภายใต้โครงการบ่มเพาะและเตรียมความพร้อมของบุคลากรเพื่อป้อนสู่อุตสาหกรรมปี 2556



KKMarathon

By WhatDoWeDo

Open iTunes to buy and download apps.

[View More By This Developer](#)

Khon Kaen Marathon



[View In iTunes](#)

Free

Category: [Sports](#)

Released: 26 January 2012

Version: 1.0

Size: 5.3 MB

Language: English

Developer: Witcha Feungchan

© 2012 WhatDoWeDo Studio

Rated 4+

Requirements: Compatible with iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPod touch (3rd generation), iPod touch (4th generation), iPod touch (5th generation) and iPad. Requires iOS 5.0 or later.

Customer Ratings

Description

An official App for the 9th KHON KAEN INTERNATIONAL MARATHON

KKMarathon is a must have app.

Features:

- + Map Route
- + Photo Gallery
- + Enjoy Finger running mini-game
- + Race Information

Race Day: Sunday, January 29, 2012 at Khon Kaen University

[WhatDoWeDo Web Site](#) ▶ [KKMarathon Support](#) ▶

iPhone Screenshots



Executive Summary

An official App for the 9th KHON KAEN INTERNATIONAL MARATHON
KKMarathon is a must have app.

Features:

- + Map Route
- + Photo Gallery
- + Enjoy Finger running mini-game
- + Race Information

Race Day: Sunday, January 29, 2012 at Khon Kaen University

Design Concept

- Informative App
- Gallery
- Check Result
- Route Map
- Mini Game

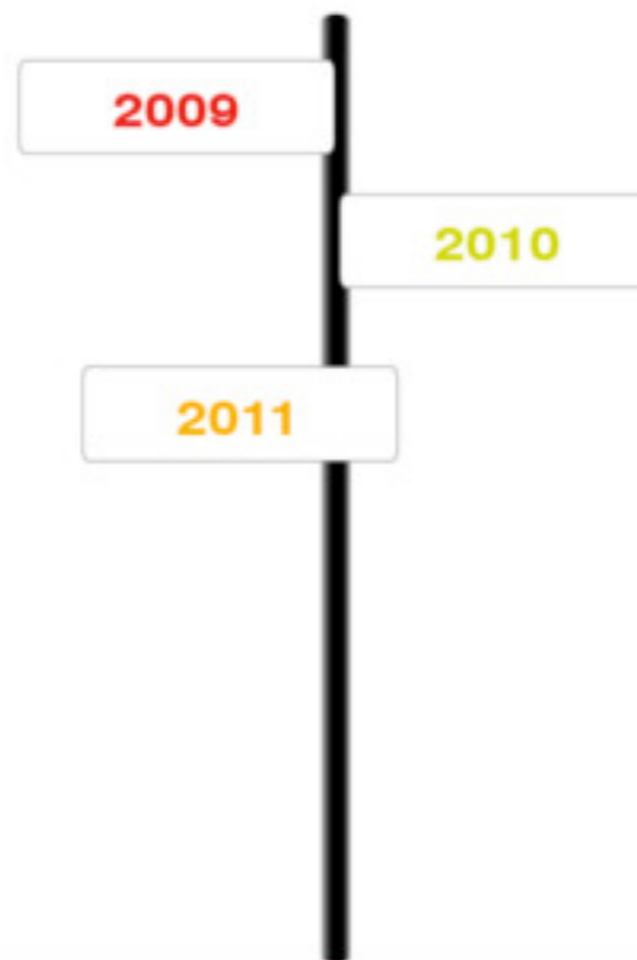
Design UI



Design UI



Select Gallery



Design UI



Design UI



tiny coffee

By WhatDoWeDo

Open iTunes to buy and download apps.

[View More By This Developer](#)

tiny coffee



[View In iTunes](#)

Free

Category: [Lifestyle](#)

Updated: 03 December 2012

Version: 3.1

Size: 12.1 MB

Language: English

Developer: Witcha Feungchan

© 2011 WhatDoWeDo

Rated 4+

Requirements: Compatible with iPhone, iPod touch and iPad. Requires iOS 5.1 or later.

Customer Ratings

We have not received enough ratings to display an average for the current version of this application.

All Versions:

Description

Find the closest tiny coffee locations in Phuket

tiny coffee will take you to the experience of enjoyment through our the best products and services. See you in Phuket!

[WhatDoWeDo Web Site](#) ▶ [tiny coffee Support](#) ▶

[...More](#)

What's New in Version 3.1

Update tiny bistro detail and new menu!

iPhone Screenshots



Executive Summary

Find the closest tiny coffee locations in Phuket
tiny coffee will take you to the experience of enjoyment
through our the best products and services. See you in
Phuket!

Features:

- + Phuket with listings of tiny coffee, mazda showroom, anuphas shell gas stations, and anuphas autoplus locations.
- + Easy clicks for map to place, call to place, link to website, or share with your friends
- + Check our food and beverages menus with exclusive promotions
- + Enjoy AR mini-game
- + Scan tiny coffee's QR codes to get exclusive promotions

Design Concept

- Informative App
- Informative Map
- Goods, Services & Promotions
- Values Added
- Brand Image
- Mini Game
- Social Network

Design UI



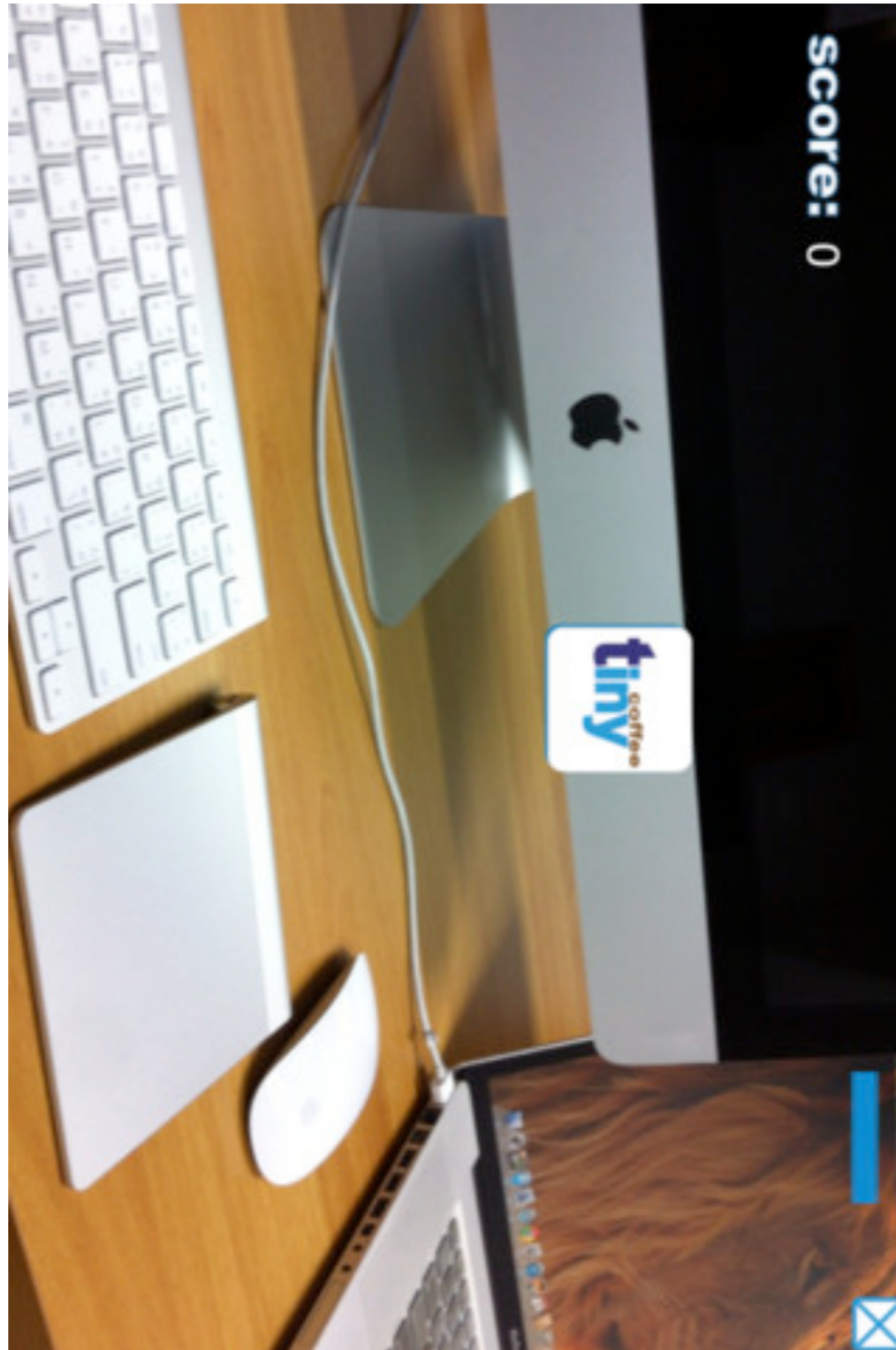
Design UI



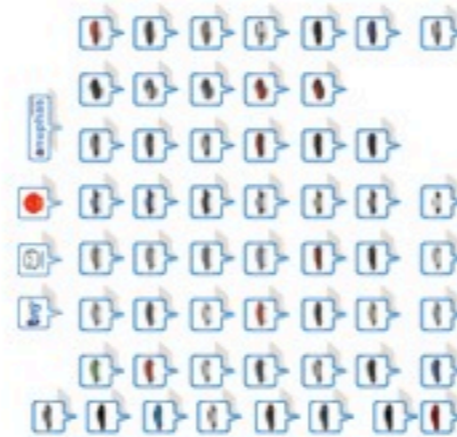
Design UI



Design UI



Design UI



Check in 4 Good Deals

[View More By This Developer](#)

By WhatDoWeDo

Open iTunes to buy or download apps.

Check in 4 Good Deals



Description

Find good deals in Phuket with Check in 4 Good Deals

We are very delighted to get a chance to be the one to introduce this application to you. Check in 4 Good Deals lives up to its name. You can always check in with us to find great deals and promotions and connect with the products

[WhatDoWeDo Web Site](#) [Check in 4 Good Deals Support](#)

[...More](#)

What's New in Version 2.1

fix bug!

[View In iTunes](#)

Free

Category: [Lifestyle](#)

Updated: 22 February 2012

Version: 2.1

Size: 36.1 MB

Language: English

Developer: Witcha Feungchan

© 2011 WhatDoWeDo Studio

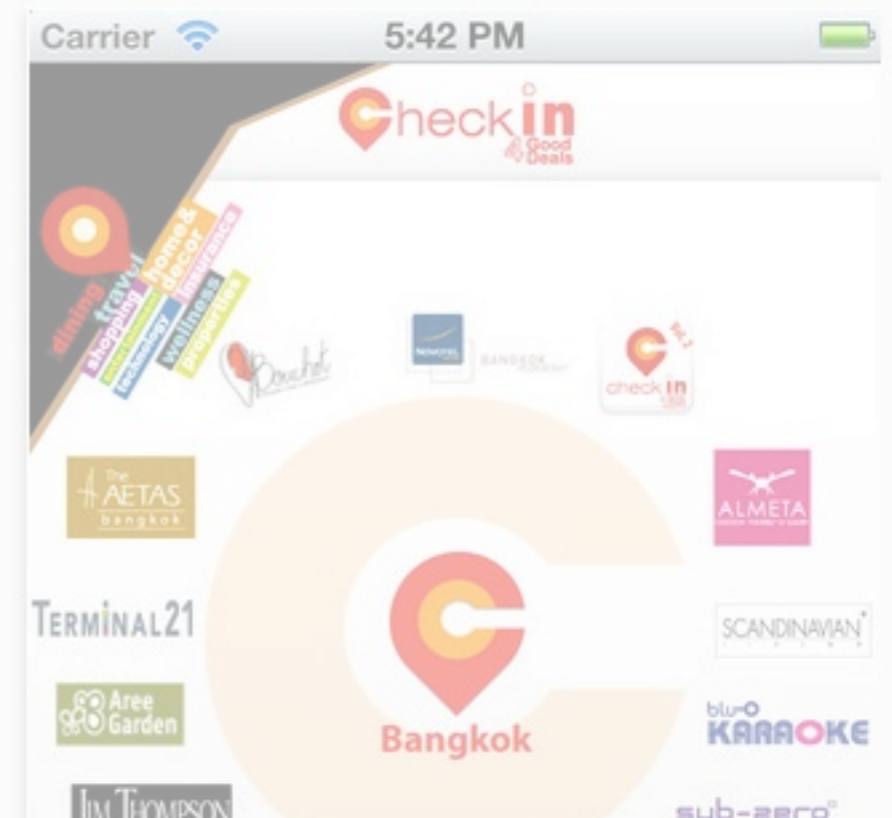
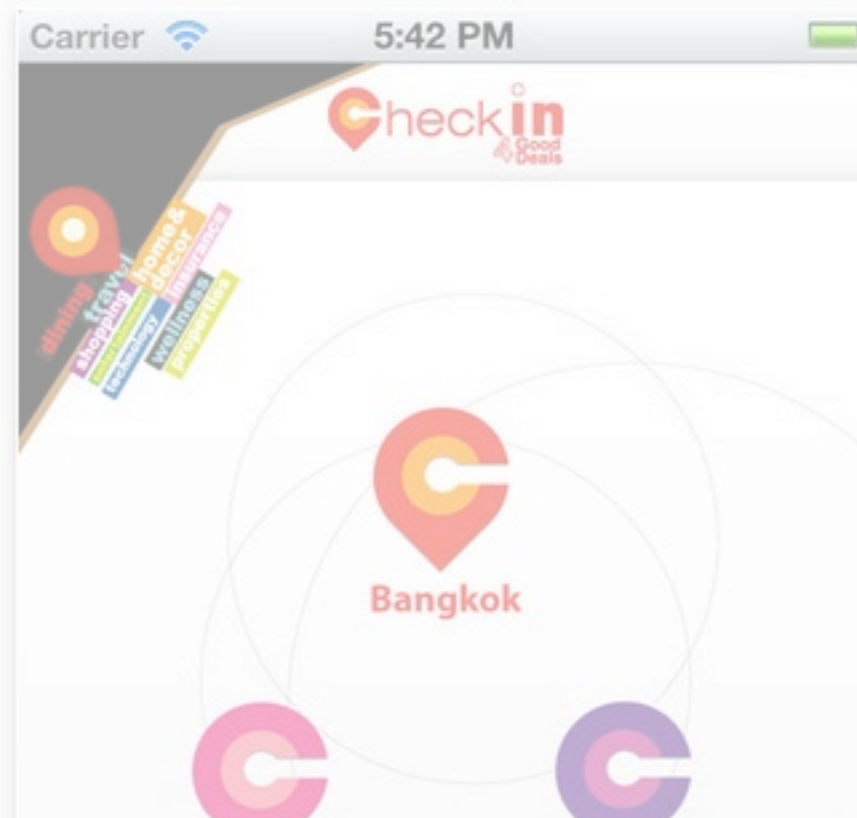
Rated 4+

Requirements: Compatible with iPhone 3GS, iPhone 4, iPhone 4S, iPhone 5, iPod touch (3rd generation), iPod touch (4th generation), iPod touch (5th generation) and iPad. Requires iOS 5.0 or later.

Customer Ratings

We have not received enough

iPhone Screenshots



Executive Summary

Find good deals in Phuket with Check in 4 Good Deals
We are very delighted to get a chance to be the one to introduce this application to you. Check in 4 Good Deals lives up to its name. You can always check in with us to find great deals and promotions and connect with the products and services that match your interests. Download the app, deals are waiting.

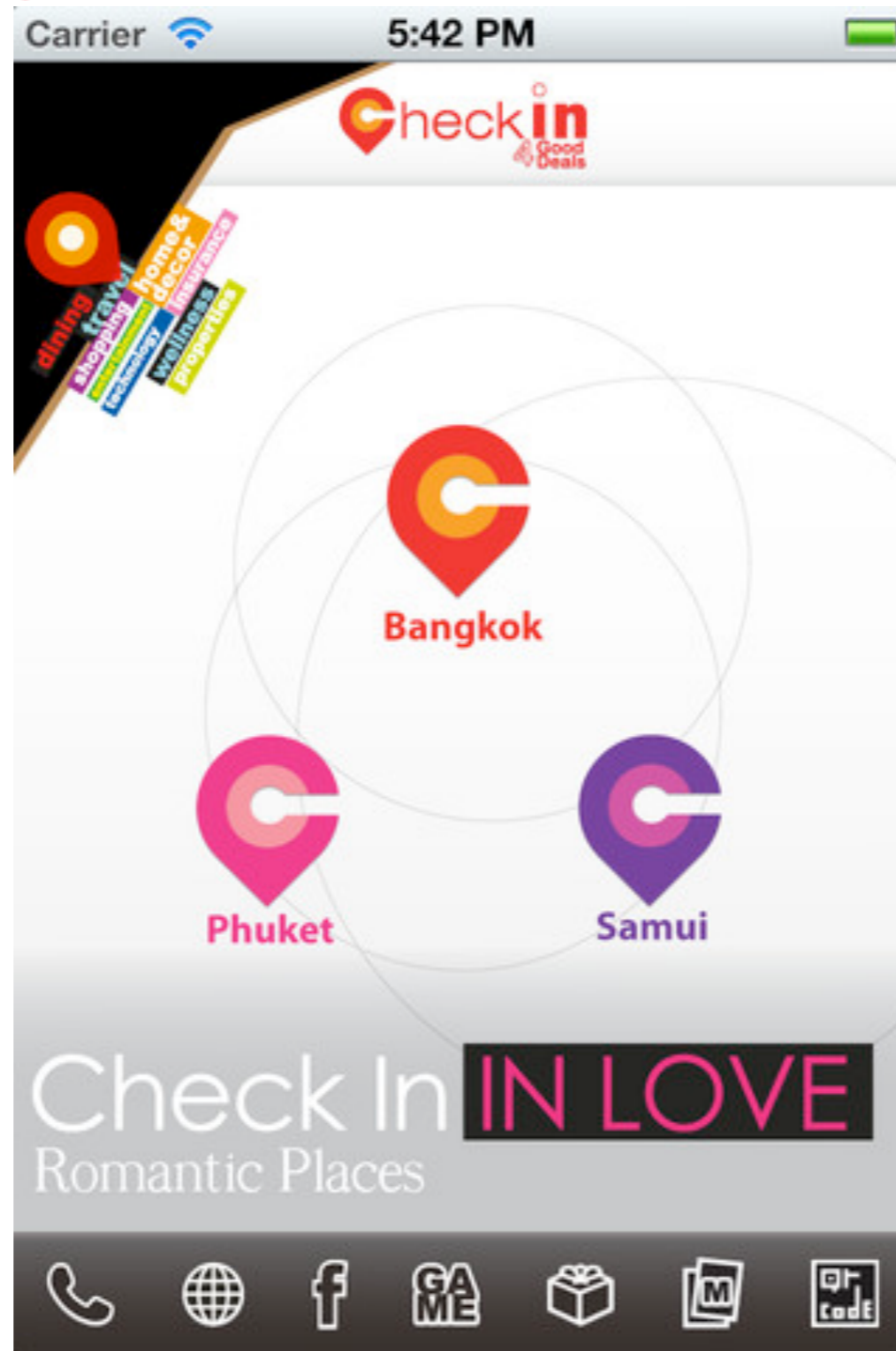
Features:

- + Phuket's prominent business listings: Central Phuket Festival, tiny coffee, Mazda Phuket, anuphas autoplus, xtreme adventures, Scandinavian Living, Phuket International Airport, i-bird nest, Billboard by PHEBE5, Two Villas Holiday and Fakthong Transport & Moving Service.
- + Easy clicks for quick access to maps, to make direct calls, to link to website and to share with friends.

Design Concept

- Informative & Magazine App
- Coupons & Rewards App
- Goods, Services, Promotions
- Brand Image
- Mini Game
- Social Network
- Vivid Design

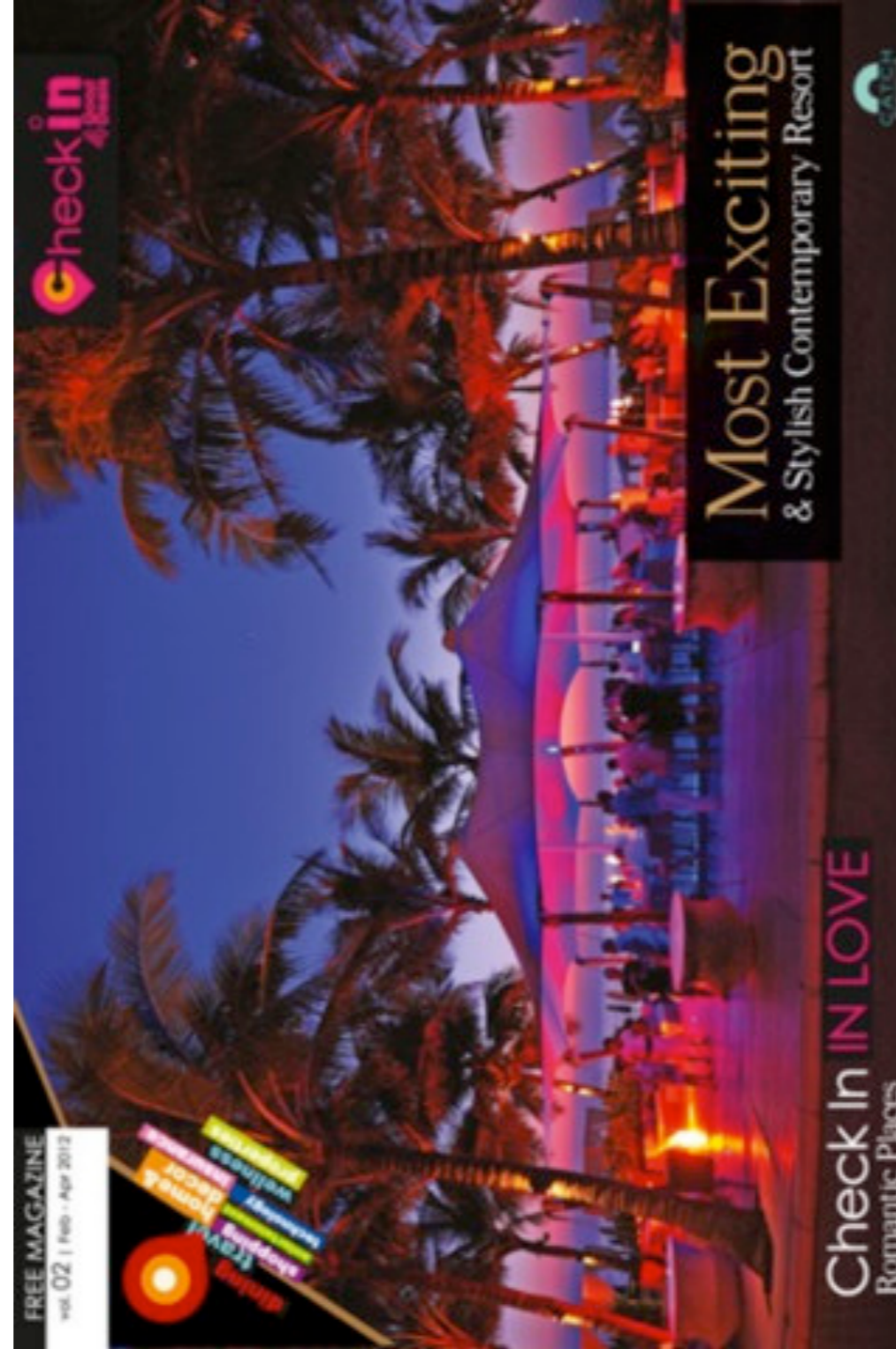
Design UI for iPhone



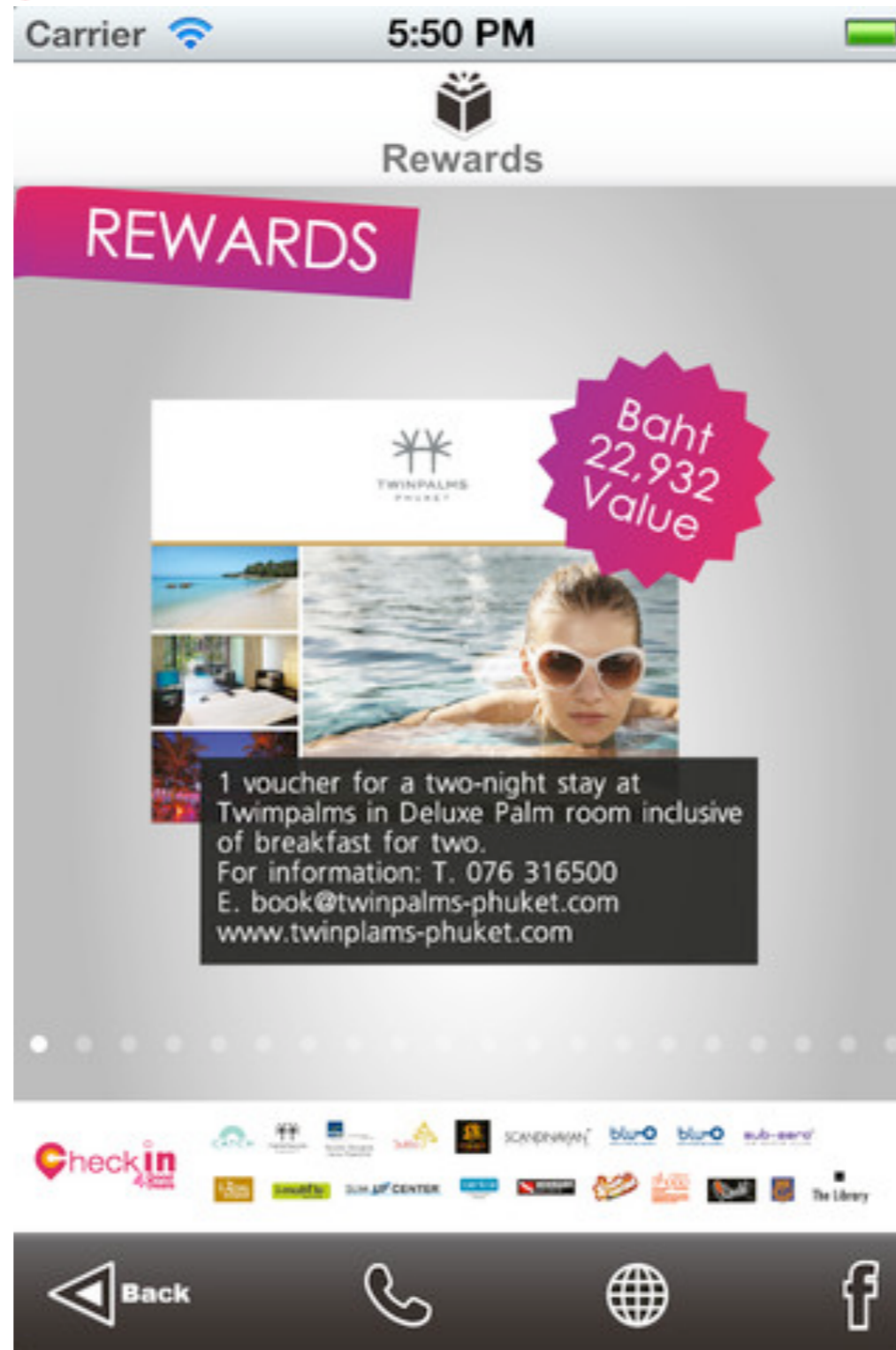
Design UI for iPhone



Design UI for iPhone



Design UI for iPhone



Design UI for iPhone

The screenshot displays the homepage of the 'Check In 4 Good Deals' website. At the top, there is a navigation bar with links for MAIN, E-MAGAZINE, DOWNLOAD COUPON, CHECK IN CHANNEL, MAGAZINE DISTRIBUTION, WHERE TO JOIN US, ABOUT US & CONTACT US, and PRESS RELEASE. Below this is a 'Join our MAILING LIST' section with a search input field and a 'GO' button. The main content area features a large image of a hotel lobby with a 'NOVOTEL Sukko Cultural Space Bangkok Ploenchit' overlay. To the right, there is a 'CURRENT ISSUE FREE DOWNLOAD now!' section with a 'DOWNLOAD >>' button and a 'CLICK HERE' button for 'MORE BACK ISSUE'. Below the main image, there is a 'HOT DEAL' section with a 'Check In 4 Good Deals free magazine, E-magazine, Application for iPhone/ iPad/iPod "Get me FREE! NOW on App Store"' and a 'Find us on Facebook' button. At the bottom, there is an 'INDEX...' section with a 'News & Activities' button. The website also features several other images and text elements, including a 'CASA PAGODA HOME FURNISHING' advertisement.

Member LOGIN
» LOGIN | FORGET PASSWORD

SIGN UP » สมัครสมาชิก CLICK HERE

check in 4 Good Deals
DOWNLOAD APPLICATION FREE

• MAIN • E-MAGAZINE • DOWNLOAD COUPON • CHECK IN CHANNEL • MAGAZINE DISTRIBUTION • WHERE TO JOIN US • ABOUT US & CONTACT US • PRESS RELEASE

Join our MAILING LIST GO

NOVOTEL Sukko Cultural Space Bangkok Ploenchit

CURRENT ISSUE
FREE DOWNLOAD now!

DOWNLOAD >>

MORE BACK ISSUE CLICK HERE

Check In 4 Good Deals free magazine, E-magazine, Application for iPhone/ iPad/iPod "Get me FREE! NOW on App Store"

HOT DEAL

Hello, everyone. Thank you for visiting our website. We are now accepting partnerships with leading businesses in major cities of Thailand. You are welcome, too. Start by sending us your GOOD DEALS or promotions and enjoy free advertising with us on The App Store, Check in 4 Good Deals application, e-magazine, website and much more. LIMITED OFFER due to advertising space. For more information, please call 083 6999 222.

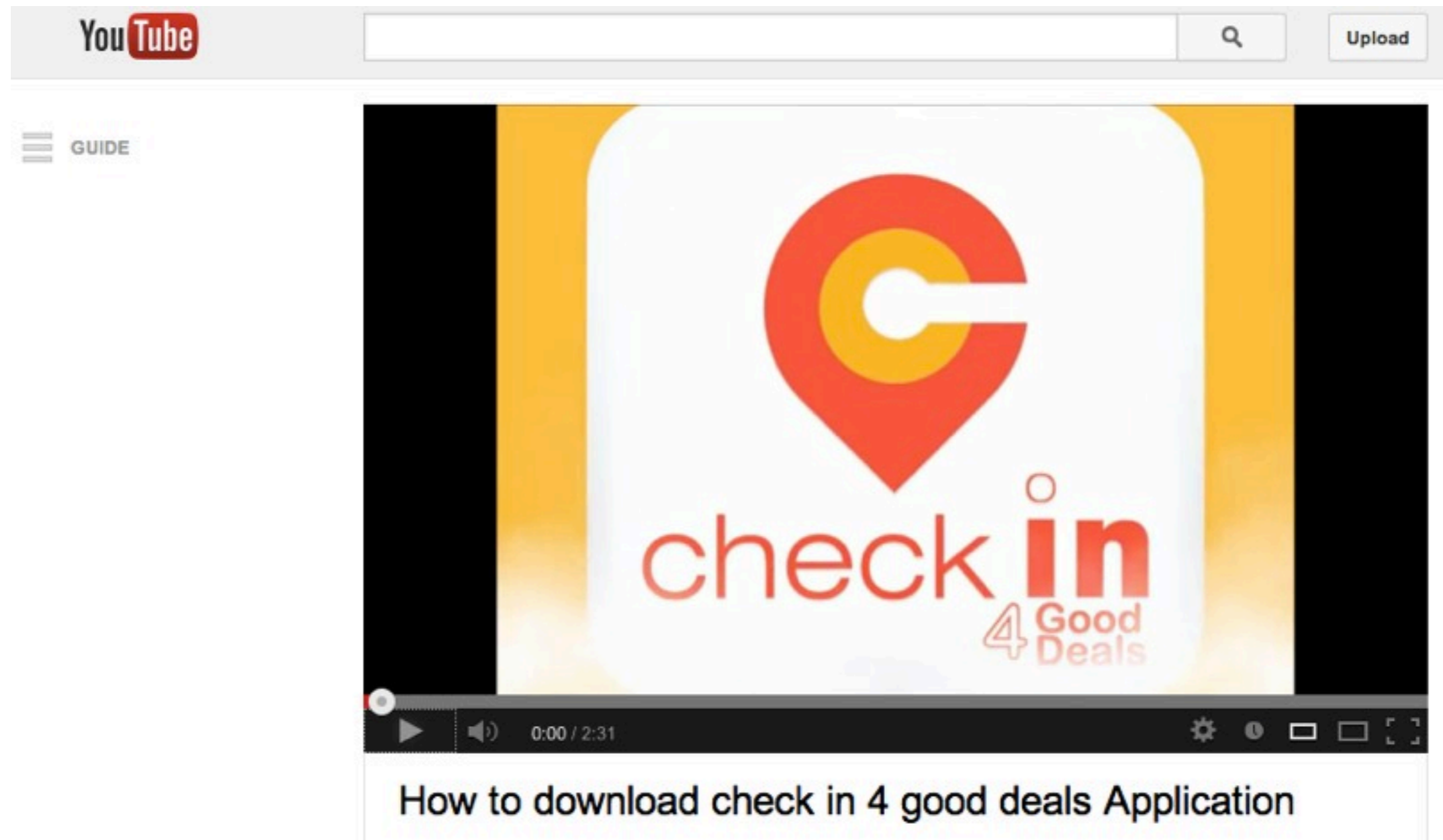
อย่าลืม! ร่วมสนุกและลุ้นรับรางวัลจากเราได้ผ่าน

Find us on Facebook

INDEX...
News & Activities

CASA PAGODA HOME FURNISHING

Design UI for iPhone



Design UI for iPad

Check in 4 Good Deals Magazine

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By WhatDoWeDo

Open iTunes to buy and download apps.



[View In iTunes](#)

Free

Category: Books

Updated: Mar 20, 2012

Version: 2.2

Size: 62.4 MB

Language: English

Seller: Witcha Feungchan

© 2011 WhatDoWeDo Studio

Rated 4+

Requirements: Compatible with iPad. Requires iOS 4.3 or later.

Customer Ratings

We have not received enough ratings to display an average for the current version of this application.

Description

Find good deals in Phuket with Check in 4 Good Deals Magazine

We are very delighted to get a chance to be the one to introduce this application to you. Check in 4 Good Deals Magazine lives up to its name. You can always check in with us to find great deals and promotions and connect with

[WhatDoWeDo Web Site](#) ▶ [Check in 4 Good Deals Magazine Support](#) ▶

[...More](#)

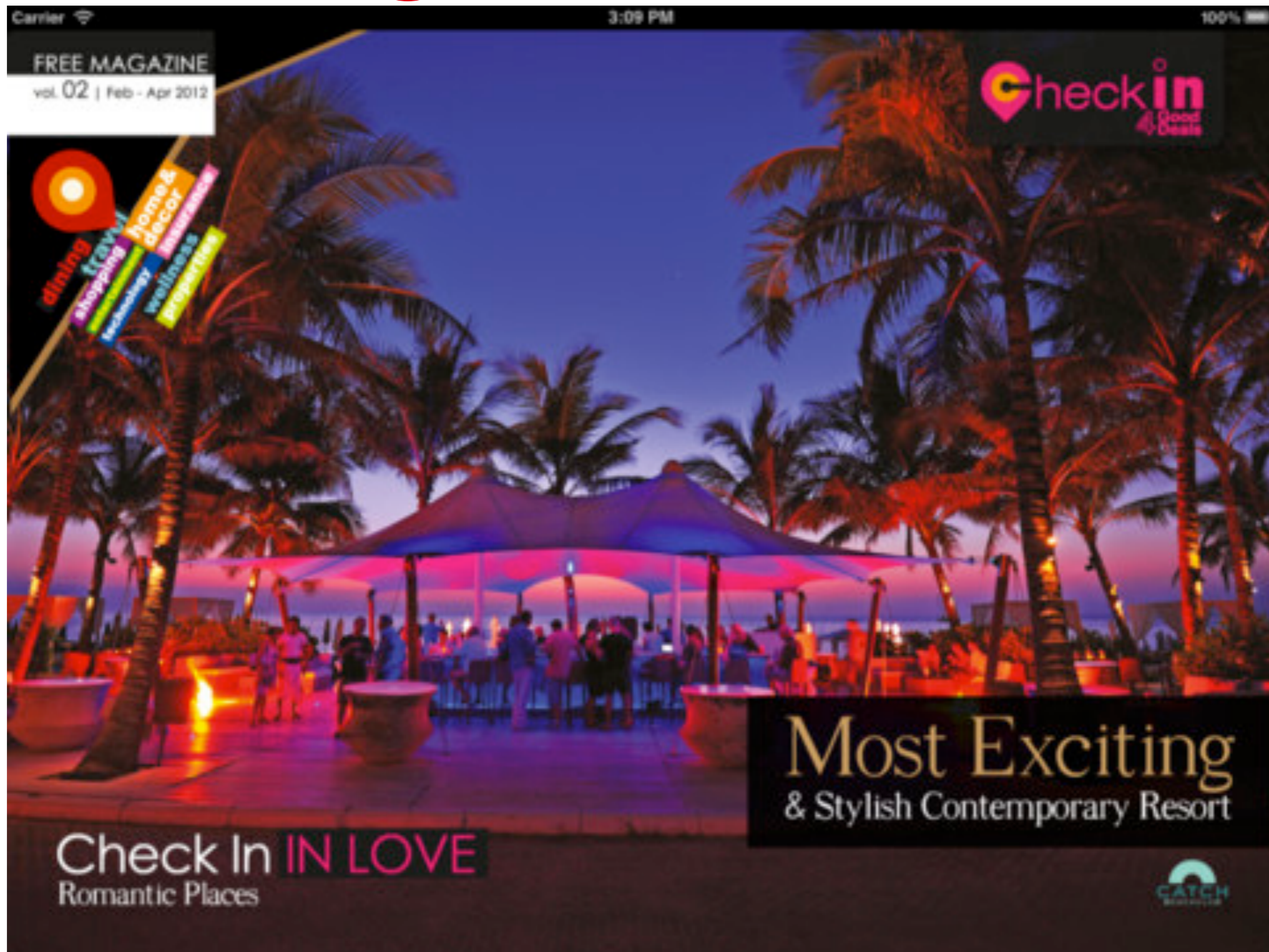
What's New in Version 2.2

Add Surveys

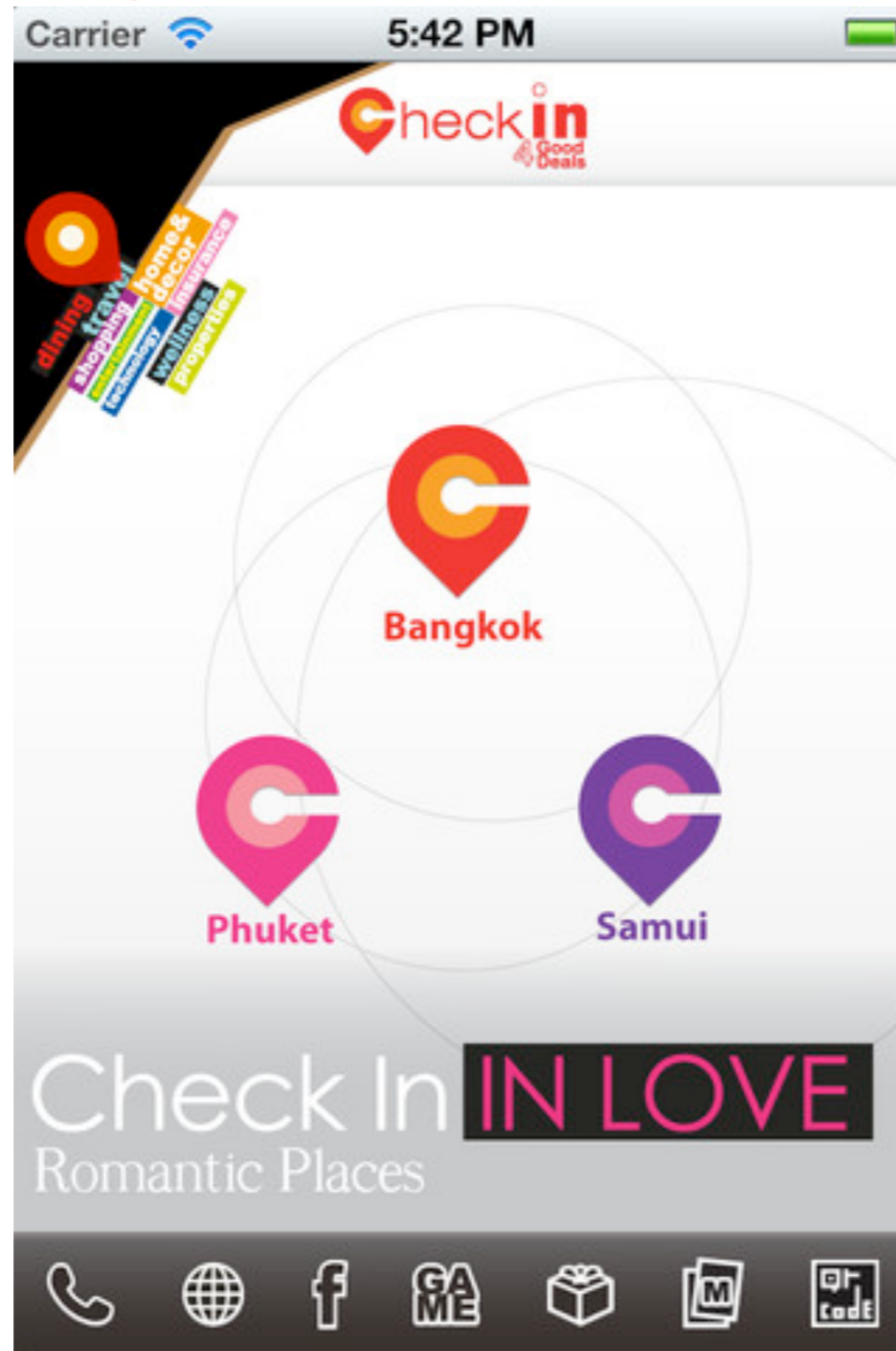
iPad Screenshots



Design UI for iPad



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Discussions

- IP infringement
- Stealing ideas
- Non-disclosure agreement
- Software cost
- Cost estimation
- Sign contract
- Have fun!