

Ho Chi Minh Tour Guide

User Requirement

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**Ho Chi Minh, 15/1/2013**

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| 14/1/2013 | HTTPS\_URD\_v0.2 | M | Updated non-functional requirement | V0.2 |
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SIGNATURE PAGE

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# INTRODUCTION

This document is the User Requirement Document for Ho Chi Minh City Tour Guide cross-platform mobile application. It gives Ho Chi Minh City tourist information and introduces basic Vietnamese sentences for foreign tourist.

## Purpose

When tourist travel to Ho Chi Minh City, they can save time and save money and no need any thick travel book or rent a local tourist guide to introduce them about Ho Chi Minh City. Our application helps users spend their time to experience the most wonderful trip. It provides rich information about famous destination, food, culture, history, shopping, and transport information in Ho Chi Minh City. And our city will be well-known and the number of tourist will come to more and more.

Besides that, language obstacle is a big problem. To make tourists more confident in communication with the local, we provide instruct basic communication sentences like express how to go to a location, buy an item, and greeting in Vietnamese and it’s also able to play sounds and explain how to use for suitable context.

The application can run cross-platform in mobile like iOS, Android, BlackBerry, and Windows Phone. It’s distributed free and widely for user in mobile market, website and many locations.

## Scope

Ho Chi Minh City Tour Guide will introduce useful information for tourist when they travel in Ho Chi Minh City.

Tourism Information: provide rich information from reliable source in Lonely Planet book.

Communication Sentences: basic Vietnamese communication sentences and plays standard Vietnamese people voice.

It’s not only upload to online market like Google Play, AppStore, BlackBerry World, … and also delivery in airport, hotel, restaurant, bus stop, train station, … many as many location that users get it easy. It’s free for tourist and completely offline so no need any Internet connection.

## Definitions, acronyms and abbreviations

## References

Lonely Planet Ho Chi Minh book

## Overview

This document will introduce functional and non-functional requirement of the application includes functionality, usability, reliably, performance, supportability, business rules and regulations, technology rules and limitations.

* Functionality: give Ho Chi Minh City tourism information, recommend these topics related which user reading, play sound of Vietnamese communication sentences, search information and sentences by keyword.
* Usability: fixed all touch screens in smartphone and tablet, can be easy-reading information, play Vietnamese standard voice and reliable information.
* Reliability: the offline application, MTBF more than 6 months, MTTR less than 72 hours,
* Performance
* Supportability
* Business rules and regulations
* Technology rules and limitations

# FUNCTIONALITY

## Give Ho Chi Minh tourist information

Provide the detail Ho Chi Chi Minh city tourist information include famous destinations, shopping center, restaurant, overview culture, history, food and transport.

All information follows the content of Lonely Planet’s book about Ho Chi Minh City. This is the most famous book about Ho Chi Minh City tourist. The language is English which a number of foreign tourists understand easily.

## Recommend these topics related which user reading

When user is reading a topic, the application shows these topics have relationship with it by a recommendation engine. It suggests the information suitable and useful for user.

## Play sound of Vietnamese communication sentences

To make tourist communicate easily with the local by providing basic Vietnamese sentences. Each sentence has bilingual with English and Vietnamese. It has explain the meaning and suitable context that help user more confident and enjoy their trip in Ho Chi Minh.

## Search information and sentences by keyword

To get easily and quickly access information by search engine. User enter a keyword to look up the information contain or relate with this.

If the keyword contain in the sentences, it can play immediately in search screen.

# USABILITY

## Fixed all touch screens in smartphone and tablet

This application is designed by layout so it can fix many kinds of touch sreen in smartphone and tablet from 3.5 inches to 10.1 inches.

## Easy-reading information

We use clear-type font and the font can be resized and zoomed suitable for user easier reading information.

## Play Vietnamese standard voice

The application sound will be recorded by local people with Southern woman standard voice. It’s understandability by any local people in Ho Chi Minh City.

## Reliable information

The application content gets from Lonely Planet book. This is the most famous book writing about Ho Chi Minh City tourism.

# RELIABILITY

## The offline application, no need any Internet connection

## Mean Time Between Failures (MTBF)

More than 6 months

## Mean Time To Repair (MTTR)

Less than 72 hours

## Accuracy

100%

## Maximum Bugs and Defect Rate

0.3 bugs per thousand lines of code (0.3 bugs/KLOC).

## Critical bugs:

Loss of data: not any

Unable to use part of the system’s functionality: not any

# PERFOMANCE

## Response time for a search:

* + Average: 100 millisecond/search
  + Maximum: 250 millisecond/search

# SUPPORTABILITY

## <Request number one>

<A brief description of the request. Note of what decision has been made on it and how the request will be considered.>

# BUSINESS RULES AND REGULATIONS

## <Reference number one>

<A brief description of the reference. Note of what decisions have been made on it and how the reference will be considered. >

# TECHNOLOGY RULES AND LIMITATIONS

## <Reference number one>

<A brief description of the reference. Note of what decisions have been made on it and how the reference will be considered. >