# Chapter One | Introduction

## Objective

Software Requirement Specification of Emergency Information on Mobile is the document that describes each function, process, software environment, and constraint. The document is based on the contract and project plan. It is created for software developer and software tester to more understanding in the requirement. The purpose of Emergency Information on Mobile is providing area for presenting information of help place for the users. Admin also can manage information of help place.

## Intended Audience and Reading Suggestions

The Software Requirement Specification was created for everyone that involved with the Emergency Information on Mobile. The document of Software Requirement Specification will make the benefit for people as following:

**1.2.1 Development Team**

• Make strategies and planning process convenient

• Improve the system in right needed and use for prioritize what process become first or what process should be after.

• Reference in testing system because tester will validate if the system is correct and appropriate.

• Verify and specify requirements to ensure the same understanding about requirements. The ensuring can help in working and discuss all detail about requirements for avoid any error in work.

• Control and guarantee qualities of the system to make it right regarding the standard and contract.

• Easier discussion all information about the system because the constant and reliability source of the system.

**1.2.2 Customer**

• Easy for users to understand about quality and limitation of the system.

• Ensure the same understanding about requirement.

## Project Scope

The objective of this software requirement specification is to specify requirements to establish the application that:

• Emergency Information on Mobile is a web application for both computer website and mobile devices.

• Emergency Information on Mobile for mobile devices supports android operating system.

• Emergency Information on Mobile provides offline map and last downloaded information of help places.

• Emergency Information on Mobile supports English language.

• Emergency Information on Mobile provides admin to manage the information of help place, such as add, edit and remove help place.

## User Characteristic

• The group of person who already to use online map and offline map. The user of the application that will receive the information of help place to call and get an address.

• The group of person who manage the information of the help place.

## 1.5 Acronyms and Definitions

**1.5.1 Acronyms**

EIOM Emergency Information on Mobile

SRS Software Requirement Specification

URS User Requirement Specification

UI User Interface

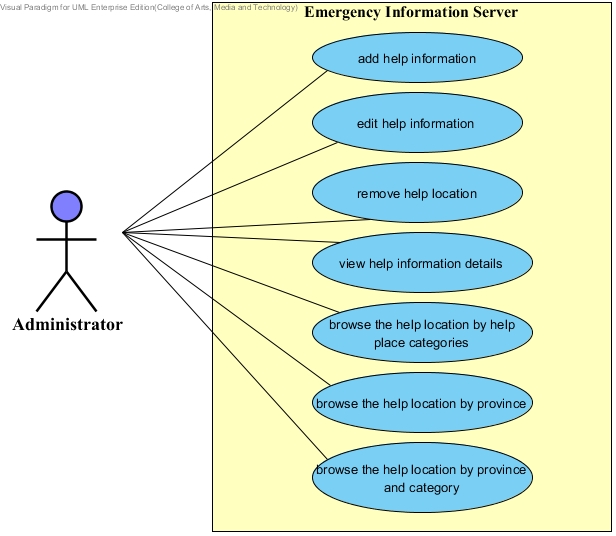
**1.5.2 Definitions**

|  |  |
| --- | --- |
| Feature | Transformation of input parameters to output parameters based on a specified algorithm. It describes the functionality of a product. Uesd for requirements analysis, design, coding, testing or maintenance. [IEEE90] |
| IEEE | Institute for Electrical and Electronics Engineers. Biggest global interest group for engineers of different branches and for computer scientists. [IEEE90] |
| Requirement | (1) A condition or capability needed by a user to solve a problem or achieve an objective. (2) A condition or capability that must be met or processed by system or system component to satisfy a contract, standard, specification, or other formally imposed document. (3) A documented representation of a condition or capability as in definition (1) or (2). [IEEE90] |
| Specification | Precise description of an activity or work product which serves as basis or input for further activities or work product. A specification can comprise requirements to a product and how they will be solved. Different parts of a specification (e.g. what is to be done, how it will be done) must not be mixed. [IEEE90] |
| Design | The period of time in the software life cycle during which the designs for architecture, software component, interfaces and data are created, documented, and verified to satisfy requirements. [IEEE90] |
| UML | Unified Modeling Language. Standardized notation for Modeling design descriptions, acrchitecture or scenarios. Not depending on a specific method. Issued and maintained by the Object Management Group (OMG). [IEEE90] |
| Use case | (1) Concept to describe a system based on usage of system resource by its environment. Characterizedd by an objective set of interactions within and at the borders a scenario (Usage approach, operational scenario) from the perspective of this user. [IEEE90] |

# Chapter Two | Specific Requirement

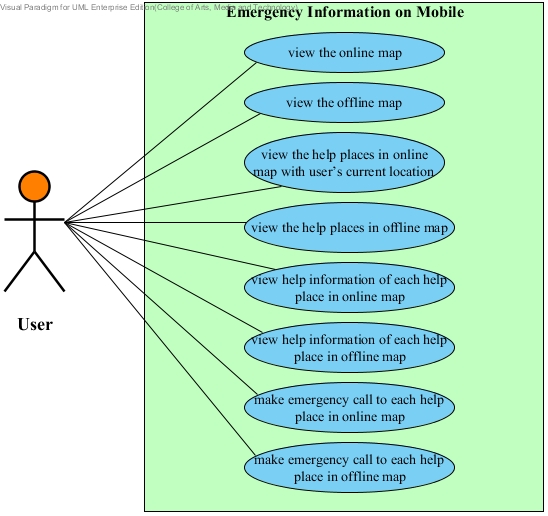
## 2.1 Use Case Scenarios

**•Emergency Information Server**



**Figure 1 Show use case of “Emergency Information Server”**

**•Emergency Information on Mobile**

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**Figure 2 Show use case of “Emergency Information on Mobile”**

# Chapter Three | Functional Requirement

## 3.1 User Requirement Specification

**• Feature 5: Manage Information System**

[URS-1]: The administrator can add help information, which includes name, address, district, province, zip code, phone number, category, latitude and longitude.

[URS-2]: The administrator can edit help information, which includes name, address, district, province, zip code, phone number, category, and coordinates location.

[URS-3]: The administrator can remove help location.

[URS-4]: The admin can view help information of each help place.

[URS-5]: The administrator can browse the help location by help place category.

[URS-6]: The administrator can browse the help location by province of Thailand.

[URS-7]: The administrator can browse the help location by category and province of Thailand.

**• Feature 1: Map and Help Information System**

[URS-8]: The user can view the online map with their current location.

[URS-9]: The user can view the offline map with their current location.

[URS-10]: The user can view the help places in online map with user’s current location.

[URS-11]: The user can view the help places in offline map.

[URS-12]: The user can view help information of each help place in online map.

[URS-13]: The user can view help information of each help place in offline map.

[URS-14]: The user can make emergency call to each help place in online map.

[URS-15]: The user can make emergency call to each help place in offline map.

## 3.2 User Requirement Specification with the System Requirement Specification

**Use Case Scenarios**

**Use Case Description**

**UC01:** Add help information

# Chapter Four | Specific Requirement

## Use Case Scenarios