**Chapter 5**

**Test Plan**

**Chapter One | Introduction**

* 1. **Objectives**

The objectives of the test plan of Emergency Information on Mobile project is to establish test plan of the unit testing and system testing and make sure that the bugs or the defects are discovered and fixed. The unit testing covers all of implemented methods in the Emergency Information on Mobile system. The system testing covers the user requirements.

* 1. **Scope**

This test plan describes the unit testing activities to detect the defects on the system and describes the system testing activities for testing a completely integrated system to verify that it meets the user requirements.

* 1. **Acronyms and Definitions**
     1. **Acronyms**

EIOM Emergency Information on Mobile

SRS Software Requirement Specification

URS User Requirement Specification

SDD Software Design Document

UI User Interface

* + 1. **Definitions**

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**Chapter Two | Test Plan and Test Procedure**

* 1. **Test Objective**

The objectives of testing Emergency Information on Mobile project are:

1. All bugs or defects are detected.
2. Those bugs or defects are fixed.
3. Functions and user interface covered the requirements.
4. All functions and features must be there.
   1. **Scope of testing**

Emergency Information on Mobile will test by white-box testing techniques that are unit testing and system testing and record the test results in the test record.

* 1. **Purpose of Test Plan and Test Procedure**

In this document consist of test plan and test procedure of progress report I. So the stakeholder of Emergency Information on Mobile can review the test in project.

* 1. **Test Duration**

|  |  |
| --- | --- |
| **Progress** | **Date and Duration** |
| Progress Report I | **Perform date:** xxx  **Duration:** xxx |

* 1. **Test Responsibility**

|  |  |
| --- | --- |
| **Item** | **Responsibility** |
| Unit test of web application | Putchakarn, Sawatdiporn |
| Unit test of mobile application | Putchakarn, Sawatdiporn |
| Record unit test of web application | Putchakarn, Sawatdiporn |
| Record unit test of mobile application | Putchakarn, Sawatdiporn |

* 1. **Test Strategy**

Emergency Information on Mobile test strategy will be follow by:

1. Design test case for each feature.
2. Prepare test data for each feature.
3. Determine expected results.
4. Perform testing on individual features.
5. Result of testing will be record.
6. All test files will be store in the project repository.
   1. **Result of Testing**

In the test record the test result will separate into two parts, which are:

1. Actual output: The actual outputs that are performed by each test case.
2. Pass/Fail criteria:
   1. Pass: The result of actual is same like expected result.
   2. Fail: the result of actual result is not same like expected result.
   3. **Test Environment**
      1. **Hardware**

* **Computers**
  + Apple Macbook Pro mid 2013
    - Processor: Intel® Core™ i7-3520M CPU @ 2.90GHz 2.90GHz
    - RAM: 8.00 GB
    - Operating System: Windows 7 Ultimate
  + Dell Inspiron n5110
    - Processor: Intel® Core™ i5-2410M CPU @ 2.30GHz 2.30GHz
    - RAM: 4.00 GB
    - Operating System: Windows 7 Ultimate
* **Mobile phones:** Android Operating System
  + Samsung Galaxy Grand 2 SM-G7102
    - CPU: Quad-core 1.2 GHz Cortex-A7
    - RAM: 1.5 GB
    - Operating System: Android OS, v4.3 (Jelly Bean)
  + Samsung Galaxy S DUOS
    - CPU: 1GHz Cortex-A5
    - RAM: 768 MB
    - Operating System: Android OS, v4.04 (Ice Cream Sandwich)
    1. **Software**
* IntelliJ IDEA
* Eclipse
* Google chrome

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* เพิ่ม เติม

**Chapter Three | Unit testing of EIOM Web Application**

\*\* ใส่ตาราง unit test \*\* แยก หรือ รวม ทั้งฝั่ง web and mobile ?

**Chapter Four | System testing of EIOM Web Application**

\*\* ใส่ตาราง system test

**Appendix A**

\*\* ใส่ ตาราง data ใช้ เทส