# E-Health System

### Team 2 K16T1

# Test Plan

## For E- Health System

## Version 1.2

## Written by Ngo Quang Huy

# Contents

# Revision history

| Version | Updated Date | Author | Description |
|---------|-------------|--------|-------------|
| 1.0 | 10/06/2013 | Ngo Quang Huy | Create document |
| 1.1 | 12/06/2013 | Ngo Quang Huy | Update section 3. Human resource, part 3.1. Team information. |
| 1.2 | 17/07/2013 | Ngo Quang Huy | Update training schedule. |

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# 1. Introduction

## 1.1. Purpose and Scope of this document

This document describes in detail the planning and implementation of testing methods for software projects E-HEALTH system. At the same time the requirements on personnel, tools and data required for testing are also defined here.

## 1.2. Project overview

Developed software used to manage user information, catalog, service, transaction activities, which will be easy to synthesize, and report and statistics.

Software provides E-HEALTH the ability to manage a number of relevant reports.

## 1.3. Intended audiences

This data describes the strategy & plan the implementation of the testing phase in software projects E-HEALTH system.The detailed description of the test cases in each phase will be implemented in the corresponding Test specification data.

This document is used by the PM, technical leader, test leader to participate in the project E-HEALTH system.

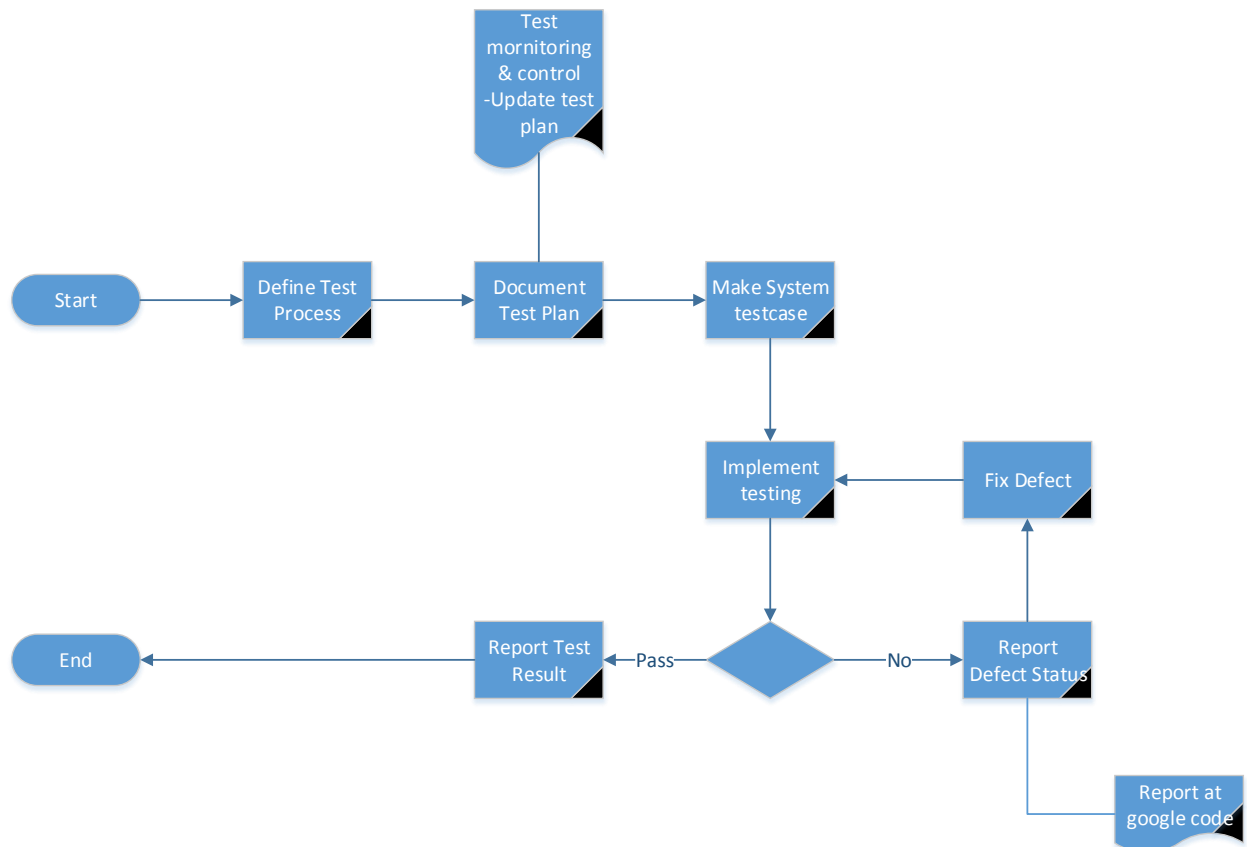| No | Readers | Reason for reading |
|---|---|---|
| 1 | PM | Test plan, Human resource, Document deliverables |
| 2 | Test Leader | Test plan, Human resource, Document deliverables, Budget for start and finish. |
| 3 | Technical Leader | Test environment |

*Table 1: Intended audiences*

## 1.4. References

N/A

# 2. Test Process

# 3. Test schedule

The test plan for the system test will be described in table 2 and will only perform system testing. Acceptance testing will be fully implemented in the user's environment. Training plan and implementation details will be described in detail in section 3.

The type of test as: Unit testing, Integration testing will be the main programming and integrated development order made in the course of their work. And two types of test report data is not required, and can be ignored in this project.

| No | Task description | Start date | Finish date | Assigned to |
|---|---|---|---|---|
| **Test documentation** | | | | |
| 1 | Written document for test plan. | 10/06/2013 | 10/06/2013 | Ngo Quang Huy |
| 2 | Written system test case specification | 24/06/2013 | 07/05/2013 | Ngo Quang Huy |
| 3 | Written document for test report release 1 | 01/07/2013 | 14/07/2013 | Trinh Thai Anh, Ngo Quang Huy |
| 4 | Written document for test report release 2 | 15/07/2013 | 18/07/2013 | All team member |
| | | | | |
| 1 | Test functions in release 1: <br>- City: create, edit, load list city. <br>- District: Create, edit, load list district. <br>- Department: create, edit, load list department. <br>- Department type: create, edit, load list department type. <br>- Service: create, edit, load list service <br>- Service type: create, edit, load list service type <br>- User: create, edit, load list user <br>- Group user: create, edit, load list group user. <br>- Authorize :save | 01/07/2013 | 08/07/2013 | All team member |
| 2 | Test functions in release 2: <br>- Test interface <br>- Test cashier: <br>+Typist: Create bill <br>+Cashier: Search, confirm <br>- Test report: <br>+ Create bill: View and print created bill follow day, week, month | 15/07/2013 | 18/07/2013 | |

| | + Confirm bill: View and print confirmed bill follow day, week, month<br>+List bill: View and print bill follow group service on day.<br>+Revenue report: View and print revenue report follow day, week, month | | | All team member |
|---|---|---|---|---|
| | | | | |
| 1 | Release for customer reviews | 24/07/2013 | 24/07/2013 | All team member |

*Table 2: Testing Schedule*
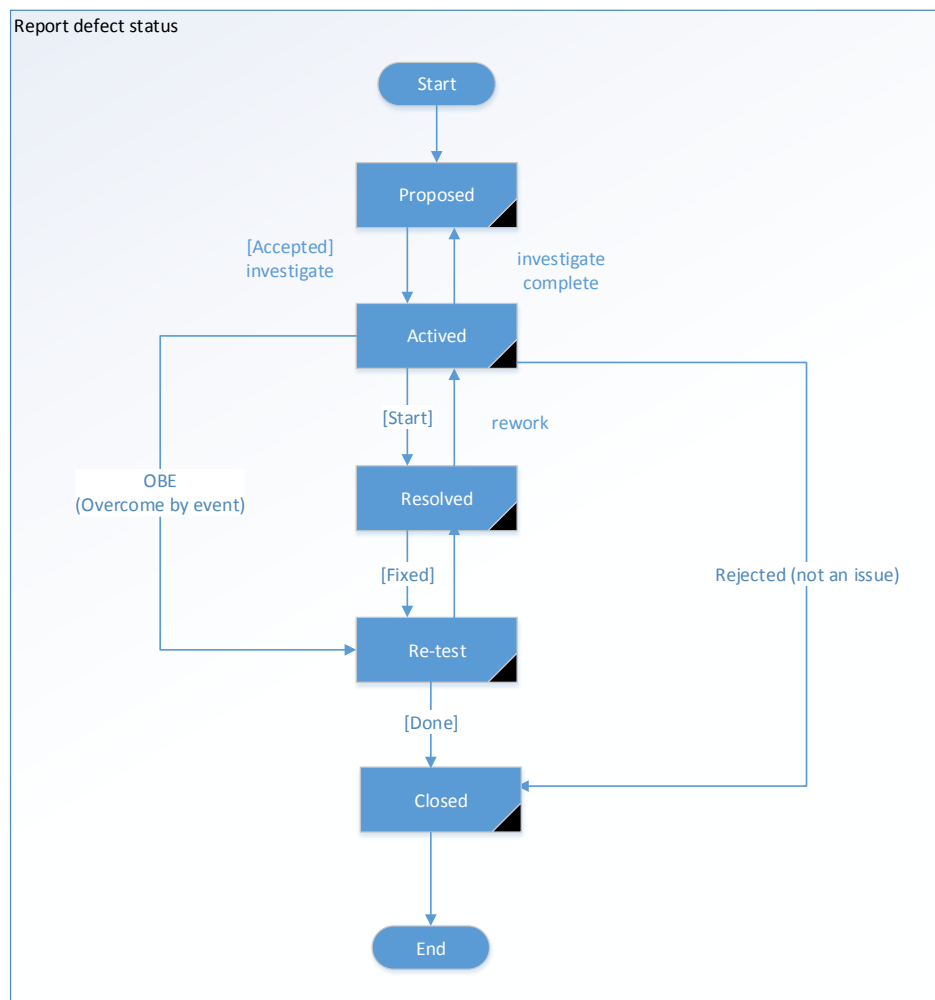
# 4. Human resource

### 7.1. Team information

Group test will consist of 06 people in the period of implementation of the test documents. When System testing phase will add personnel as tester

- Lead test (Test the leader): Ngo Quang Huy
- The implementation of test (Tester): Trinh Thai Anh, Le Ngoc Chau, Khau Thanh Dao, Pham Ngoc Hung, Ngo Quang Huy, Ta Ngoc Thien Phu.
- Document writer: Ngo Quang Huy

### 7.2. Training schedule

Guide test team members how to write reports and documentation: Test reports and Defect report. And implementation review test material.

| No | Description | Start date | End date | Team members | Instructor |
|---|---|---|---|---|---|
| 1 | Explanation of Test reports and Defect report | 01/07/13 | 01/07/13 | Trinh Thai Anh Le Ngoc Chau Khau Thanh Dao Pham Ngoc Hung Ta Ngoc Thien Phu. | Ngo Quang Huy |
| 2 | Review and edit test document | 18/07/13 | 23/07/13 | All team | |

*Table 3: Training schedule*

### 7.3. Role and Responsibilities

| No | Role | Responsibility |
|---|---|---|
| 1 | Test leader | Tutorial Plan Track the progress of the work of the group test Report directly to the PM. Testing |
| 2 | Tester | To test the system in accordance with the testing documentation Discussions with developers about fixing bugs Report directly to the google code |
| 3 | Document writer | Develop of test documentation (test plan, test cases). |

*Table 4: Role and Responsibilities*

# 5.  Test environment

## 7.1.    Software

| No | Test items | Software |
|---|---|---|
| 1 | Application server | - .NET Framework 4.5<br>- .NET Framework 4<br>- Visual Studio Ultimate/Express 2010<br>- SQL Server 2005 |
| 2 | Web server | - Visual Studio Ultimate/Express 2010<br>- SQL Server 2005 |

*Table 5: Requirement of Software*

## 7.2.    Test tools

Use Google code to save the results, fix bugs and testing process.

## 7.3.    Test databases

Database for use in the testing process will be provided in the Database Attach file with the data entered will be available in MS Word files.

# 6.  Document deliverables

| No | Item | Description |
|---|---|---|
| 1 | Test Plan | This document descripts detail plan and method to implement testing. |
| 2 | System Test Specification | This document descripts detail test cases of functional test cases and non-functional test cases. |
| 3 | Test report | This document will help test members test directly and documentation about test process and result of test case. |

*Table 6: Testing document deliverables*

# 7. Entrance and Exit criteria

## 7.1. Entrance criteria

These criteria need to be defined before the test begins and be performed by the project manager, technical leader, and test leader.

### 7.1.1. System test

- System test plan to be approved.
- System test cases to be ready.
- Human Resources must be ready.
- Environment and test tools ready.
- The document test must review.

## 7.2. Exit criteria

### 7.2.1. System test

- All System test cases to be done.
- There are no errors for Severity 1, 2, 3.
- A list of the remaining issues and bugs.
- All reporting documents should be stored. And final certification from the project manager, technical leader, and test leader.