TESTING PROCESS

**Qui Ngo**

**16/05/2017**

**Version 1.0**

**Revision History**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Editor** | **Content** | **Status** |
| 1.0 | 16/05/2016 | Qui Ngo |  | Create Testing Process document | Done |

**Table of Contents**

[**1.** **Introduction** 4](#_Toc489694261)

[**1.1.** **Purpose** 4](#_Toc489694262)

[**1.2.** **Intended audience** 4](#_Toc489694263)

[**2.** **Process** 5](#_Toc489694264)

[**2.1.** **Overview** 5](#_Toc489694265)

[**2.2.** **Make Plan** 7](#_Toc489694266)

[**2.2.1.** **Purpose** 7](#_Toc489694267)

[**2.2.2.** **Entry & Exit Conditions/Criteria’s** 7](#_Toc489694268)

[**2.2.3.** **Role and Activities** 7](#_Toc489694269)

[**2.3.** **Analysis and Design Test Case** 7](#_Toc489694270)

[**2.3.1.** **Purpose** 7](#_Toc489694271)

[**2.3.2.** **Entry & Exit Conditions/Criteria’s** 7](#_Toc489694272)

[**2.3.3.** **Role and Activities** 7](#_Toc489694273)

[**2.4.** **Implement and Execute** 8](#_Toc489694274)

[**2.4.1.** **Purpose** 8](#_Toc489694275)

[**2.4.2.** **Entry & Exit Conditions/Criteria’s** 8](#_Toc489694276)

[**2.4.3.** **Role and Activities** 8](#_Toc489694277)

[**2.5.** **Evaluate Exit Criteria’s and Reporte** 8](#_Toc489694278)

[**2.5.1.** **Purpose** 8](#_Toc489694279)

[**2.5.2.** **Entry & Exit Conditions/Criteria’s** 8](#_Toc489694280)

[**2.5.3.** **Role and Activities** 8](#_Toc489694281)

[**2.6.** **Close Activities** 9](#_Toc489694282)

[**2.6.1.** **Purpose** 9](#_Toc489694283)

[**2.6.2.** **Entry & Exit Conditions/Criteria’s** 9](#_Toc489694284)

[**2.6.3.** **Role and Activities** 9](#_Toc489694285)

[**3.** **References** 9](#_Toc489694286)

**List of Figure**

[**Figure 1.F-Team Testing Process** 7](#_Toc469744557)

**List of Table**

[**Table 1. Intended audience** 6](#_Toc482880051)

[**Table 2. Planning Role and Activities** 8](#_Toc482880052)

[**Table 3. Analysis and Design Test Case Role and Activities** 8](#_Toc482880053)

[**Table 4. Implementation and Execution Role and Activities** 9](#_Toc482880054)

[**Table 5. Evaluation Exit Criteria’s and Reporting** 10](#_Toc482880055)

[**Table 6. Close Activities Role and Activities** 11](#_Toc482880056)

# **Introduction**

## **Purpose**

Testing is a process rather than a single activity. This process starts from test planning then designing test cases, preparing for execution and evaluating status till the test closure.

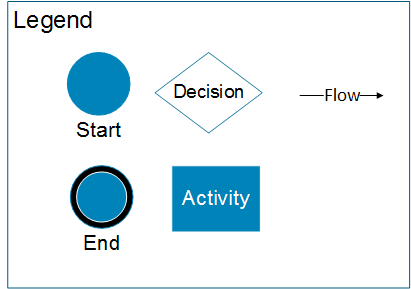
## **Intended audience**

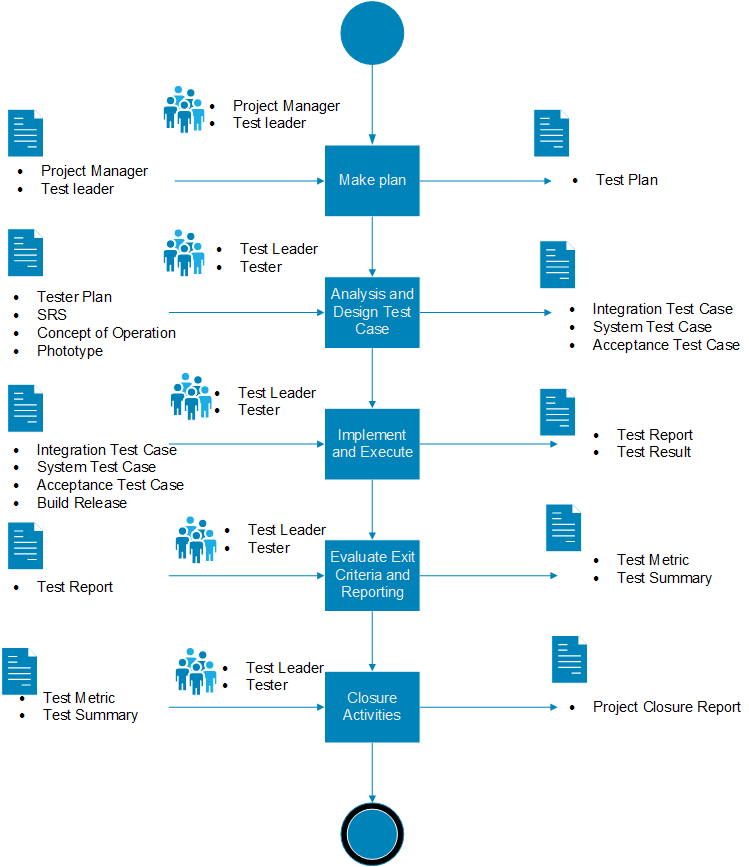
|  |  |  |
| --- | --- | --- |
| **Role** | **Name** | **Responsibility** |
| Test Leader | Qui Ngo | Develop Test Plan, Test Case and Monitoring in Tet Phase |
| Project Manager | Van Phan | Monitoring and Control Schedule |
| Tester | Nhuan Tran,Tan Huynh, Thang Nguyen | Develop Test Case, Execution Test Case and Develop Test Report. Communication with Develop Team |

**Table 1. Intended audience**

# **Process**

## **Overview**

****



**Figure 1.TripleX Team Testing Process**

## **Make Plan**

* + 1. **Purpose**

In this step, Test Leader will Develop Test Plan, Test Strategy for project.

* + 1. **Entry & Exit Conditions/Criteria’s**

|  |  |
| --- | --- |
| **Entry** | **Exit** |
| Requirement phase completed | Test plan and Test Strategy of project completed |

* + 1. **Role and Activities**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Role** | **Input** | **Output** | **Activities** | **Tools** | **Templates** |
| Make Plan | Test Leader | Project Plan document | Test Plan document | Test Leader will base on Project Plan develop Test Plan and Test Strategy for project | * Microsoft word * SVN Github | ECB\_TE\_TestPlan\_Template |

**Table 2. Planning Role and Activities**

## **Analysis and Design Test Case**

* + 1. **Purpose**

In this step, Test Leader, will base on Requirement Document Baselined analyze and design test case for project.

* + 1. **Entry & Exit Conditions/Criteria’s**

|  |  |
| --- | --- |
| **Entry** | **Exit** |
| Requirement Phase Completed and all Requirement Document Baselined | All test case completed |

* + 1. **Role and Activities**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Role** | **Input** | **Output** | **Activities** | **Tools** | **Templates** |
| Analysis and Design Test Case | Test Leader  Tester | * Project Plan * SRS * Concept of Operation * Prototype | * Integration Test Case * System Test Case * Acceptance Test Case | Test Leader and Tester will base on Project Plan develop Test Case for project | Microsoft word  Microsoft Excel  SVN Github | ECB\_TE\_IntegrationTestCase\_Template  ECB\_TE\_SystemTestCase\_Template  ECB\_TE\_AcceptanceTestCase\_Template |

**Table 3. Analysis and Design Test Case Role and Activities**

## **Implement and Execute**

### **Purpose**

In this step Tester, will run test case base on build release form develop team

### **Entry & Exit Conditions/Criteria’s**

|  |  |
| --- | --- |
| **Entry** | **Exit** |
| Develop released build | All Function in released build tested |

* + 1. **Role and Activities**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Role** | **Input** | **Output** | **Activities** | **Tools** | **Templates** |
| Implement and Execute | Test Leader  Tester | * Integration Test Case * System Test Case * Acceptance Test Case * Build Release | * Test Report * Test Result | Tester execution test and develop test report and confirm with Test Leader  Test Leader will send test report to Develop Team | Microsoft word  Microsoft Excel  SVN Github | ECB\_TE\_TestReport\_Template |

**Table 4. Implementation and Execution Role and Activities**

## **Evaluate Exit Criteria’s and Reporte**

### **Purpose**

In this step, Test Leader, will check the test logs against the exit criteria specified in test planning and write a test summary report for stakeholders

### **Entry & Exit Conditions/Criteria’s**

|  |  |
| --- | --- |
| **Entry** | **Exit** |
| Test case have been finished | Test Metrix and Summary release to stakeholders |

* + 1. **Role and Activities**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Step** | **Role** | **Input** | **Output** | **Activities** | **Tools** | **Templates** |
| Evaluate Exit Criteria’s and Report | Test Leader  Tester | * Test Report * Test Result | * Test Metric * Test Summary | Test Leader will collect all Test case have been finished and base on test plan develop test Summary and summary report | Microsoft word  Microsoft Excel  SVN Github | ECB\_TE\_TestSummary\_Template  ECB\_TE\_TestPlan\_Template  ECB\_PM\_MeasurementPlan\_Template |

**Table 5. Evaluation Exit Criteria’s and Reporting**

## **Close Activities**

### **Purpose**

In this step, Test closure activities are done when software is delivered.

### **Entry & Exit Conditions/Criteria’s**

|  |  |
| --- | --- |
| **Entry** | **Exit** |
| Reporting have been completed and send to stakeholders | Product acceptance delivery to customer |

* + 1. **Role and Activities**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Step** | **Role** | **Input** | **Output** | **Activities** | **Tools** |
| Close Activities | Test Leader  Tester | * Test Metric * Test Summary | * Project Closure report | Test Leader check with planned deliverables and to ensure that all incident reports have been resolves. | Microsoft word  Microsoft Excel  SVN Github |

**Table 6. Close Activities Role and Activities**

# **References**

**http://istqbexamcertification.com/what-is-fundamental-test-process-in-software-testing/**