**International School, Duy Tan University**



CAPSTONE PROJECT 2

AN PHU FARM SYSTEM

**TEST PLAN DOCUMENT**

Version 1.0

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**Document Information**

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**Document Approval**

The following signatures are required for approval of this document

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1. **INTRODUCTION**

This test document describes the appropriate strategies, process, workflows, and methodologies used to plan, organize, execute, and manage testing of An Phu Farm Project.

* 1. **Purpose**
     + To detail the activities required to prepare and support for the test.
     + To communicate to all responsible parties the tasks which they performs and the schedule to be followed in performing the tasks.
     + To define the sources of information used to prepare the test plan.
     + To define the test tools and environment needed to conduct the test.
     + Identify risks and contingency plans that may impact the testing of the product.
     + Assure that requirements have been fulfilled and defects have been found and resolved before delivery.
  2. **Scope**

Description of the stages of testing and the kind of testing will be indicated in this plan.

Provide a list of brief descriptions of projects, properties, and functions will / will not test.

* 1. **Test items**

**1.3.1.** **Features to be tested**

Functional Requirements test:

* + Search.
  + Order product.
  + Payment online.

Web page test:

* + Testing the text:
    - * + The spelling.
        + The terminology, the title, content, and subject matter.
        + Text layout. (By resizing the browser window to be very small or very large).
  + Testing the Hyperlinks
    - * + Check each link.
        + Make sure that hyperlinks are obvious:
    - Text links are underlined and the mouse pointer should change when it’s over any kind of hyperlinks.
    - If the link opens an email message, you should make sure it works correctly.
  + Testing the graphics, background, font…
  + Testing the forms: Forms are the text boxes, list boxes and other fields forentering or selecting information on a web page.

**1.3.2.** **Features not to be tested**

* + Security
  + Copyright, license
  1. **Roles and Responsibilities**
     1. **Test Manager**

Technical Guide.

Use and management of resources.

Management Report.

* + 1. **Testers**

Conduct test.

Write notes test results (Test Logs).

Write a test report document.

* 1. **References**
     + Software Testing(Source: Carnegie Mellon university)
     + Test Plan Template (IEEE 829- 1998 Format).
     + Test Plan Template (FPT).
     + Test Plan Template – Baseline

1. **TESTING STRATEGY**

**2.1.** **Types test**

**2.1.1.** **Function Test**

Ensure testing the correctness of each function, of each application including navigation, data input, processing and receiving data.

Perform: Using valid data and invalid to check:

* + The expected outcome with valid data.
  + Error appropriate or notices displayed when invalid data.

**2.1.2.** **User Interface Testing**

Ensure that objects within the UI function as expected and conform to corporate or industry standards.

1. **RESOURCE**

**3.1.** **Human**

Table 3.1 Human resoure and role

| **Human** | **Minimum Quantity** | **Note** |
| --- | --- | --- |
| **Test Leader**  Dang Doan Hai | 1 | Management of testing activities Duties: - Technical Guide - Use and management of resources - Management Report |
| Tester:   1. Phuc Le Hoang 2. Doan Le Dinh 3. Chinh Nguyen Ba | 3 | Perform testing Duties: - Conduct test - Write notes test results (Test Logs) - Write a test report document |

**3.2.** **System**

**3.2.1.** **Hardware**

Table 3.2 Hardware

|  |  |
| --- | --- |
| **Hardware** | **Required** |
| CPU | >= 1.0 GHz |
| RAM | >= 256 MB |
| Hard Disk Space available | >= 50 MB |
| Graphic Card with Memory size | >= 64MB |
| Internet | Connected |

**3.2.2.** **Software**

* + Windows XP/Vista/7 or more
  + Microsoft Visual Studio 2008/2010
  + Microsoft Office(Word/Excel) 2007/2010

1. **RISKS AND CONTINGENCIES**

Table 4.1 Risk and contigency

|  |  |  |
| --- | --- | --- |
| **No.** | **Risk** | **Contingency plan** |
| 1 | Requirement changes affect to human resources and test strategy | Re-edit test plan to meet new requirements |
| 2 | Application is not able to be built on time | Re-build in other PCs and testing team must follow the schedule strictly |
| 3 | Virus effectively | Highlight this to every one in team, update newest version for anti virus program |
| 4 | Executed test case lost | Hand in executed test case report / document to team leader by the end of day via e-mail |

1. **PLAN FOR TESTING**

Table 5.1 Plan for testing

|  |  |  |
| --- | --- | --- |
| **Milestone test** | **Start day** | **End day** |
| Create Test Plan | 10/10/2011 | 12/10/2011 |
| Review & Update Test Plan | 13/10/2011 | 14/10/2011 |
| Create Test case | 15/10/2011 | 18/10/2011 |
| Review & Update Test case | 21/10/20 | 20/10/2011 |
| Execute test | | |
| Function test | 21/10/2011 | 21/10/2011 |
| User Interface testing | 21/10/2011 | 22/10/2011 |
| Report Test result | 21/10/2011 | 22/10/2011 |

1. **RESULTS**

|  |  |  |
| --- | --- | --- |
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