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| |  |  |  | | --- | --- | --- | | **Description: Logo_FPT_University_doc** | **MINISTRY OF EDUCATION AND TRAINING** | | | **FPT UNIVERSITY** | | |
| Capstone Project |
| Information System In Logistic Company  Software Test Documentation |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  | | --- | --- | --- | --- | | **Group 6** | | | | | **Group Members** | Nguyễn Hoàng Việt Khánh |  | 60142 | | Nguyễn Thị Yên Thịnh |  | 60153 | | Nguyễn Đỗ Vượng |  | 60267 | | An Ngọc Anh |  | 60277 | | **Supervisor** | Lâm Hữu Khánh Phương | | | | **Capstone Project code** | SMDH | | | | |
| * Ho Chi Minh City, Mar / 2013 - |

# Table of Contents

[Table of Contents 1](#_Toc342604345)

[5.1 Introduction 2](#_Toc342604351)

[*5.1.1* System Overview 2](#_Toc342604352)

[*5.1.2* Test Approach 2](#_Toc342604353)

[5.2 Test Plan 3](#_Toc342604354)

[5.2.1 Functions 3](#_Toc342604355)

[*5.2.2* *Features not to be tested* 5](#_Toc342604356)

[5.2.2.1 Performance test 5](#_Toc342604357)

[*5.2.3* Testing Tools and Environment 5](#_Toc342604358)

[5.3 Test Cases 6](#_Toc342604359)

[*5.3.1* *Functions* 6](#_Toc342604360)

[5.3.1.1 Login 6](#_Toc342604361)

[5.3.1.2 Role ‘Vendor’ 6](#_Toc342604362)

5.3.1.3 Role 'Hub'…………………………………………………………………………………………....7

[5.3.1.4 Role ‘Office Staff’ 10](#_Toc342604363)

[5.3.1.5 Role ‘Customer’ 16](#_Toc342604364)

[5.4 Checklist 17](#_Toc342604365)

[*5.4.1* Checklist validation 17](#_Toc342604366)

[*5.4.2* Submission Checklist 17](#_Toc342604367)

[5.5 Other material (if any) 18](#_Toc342604368)

[*5.5.1* Checklist validation 18](#_Toc342604369)



## Introduction

### System Overview

This document describes the approach and methodologies used by the testing group to plan, organize and manage the testing of this system. It describes implementation details of test cases or technical details of how the product features should work.

The system will be tested is also the system our team are currently developing. This system developed based on MVC3 framework. It is a website providing Home Delivery service for online and offline shops.

### Test Approach

The testing for this project will consist of Unit, System/Integration (combined) and Acceptance test levels. It is hoped that there will be at least one full time independent test person for system/integration testing. Most testing will be done by the test lead with the development team’s participation.

Unit Testing will be done by the developers and will be approved by the implementing team leader. All unit test information (sample, output, data printouts, and defect information…) will be managed by developers and it must be showed when team required.

System/Integration Testing will be performed by the test lead and implementing team leader with assistance from the individual developers as required.

Acceptance Testing will be performed by the test lead and development team leader. The acceptance test will be done for a period of 2 weeks after completion of the System/Integration test process. Program will enter into Acceptance test after all critical and major defects have been corrected. A program may have one major defect as long as it does not obstruct testing of the program (There is a work around for the error). Prior to completion of acceptance testing all open critical and major defects must be corrected.

## Test Plan

The following is a list of areas to be focus on during testing of website:

#### 5.2.1 Functions

**Login**

Test all functions in Login module including:

* Login
* Logout
* Change Password

**Role ‘Office Staff’**

Test all functions of role ‘Office Staff’ including:

**Collection Plans:**

* + - Create Auto Collection Plan
    - Filter Collection Plan
    - Cancel Collection Plan
    - View Collection Plan Detail
    - Assign Collection Plan
    - Mark as Finished Collection Plan

**Delivery Plans:**

* + - Create Auto Delivery Plan
    - Filter Delivery Plan
    - Cancel Delivery Plan
    - View Delivery Plan Detail
    - Assign Delivery Plan
    - Mark as Finished Delivery Plan

**Role ‘Vendor’**

Test all functions of role ‘Customer’ including:

**Product:**

* + - Create New Product
    - Filter Product
    - Delete Product
    - Cancel Item

**Role ‘Hub staff’**

Test all functions of role ‘Hub staff’ including:

**Order tracking:**

* View Order by status = *Sending to Hub*
* View Order by status = *In Hub*
* View Order by status = *Delivered*
* View Order by status = *Waiting for Return*
* View Order by status = *Returned*
* Change status from *Sending to Hub* to *In Hub*

**Passcode:**

* View receiver information
* Marked Order as finished

**Role ‘Customer’**

Test all functions of role ‘Hub staff’ including:

**Order:**

* Create Order

### *Features not to be tested*

#### Performance test

There was not enough time so we cannot optimize source code and improve performance. We can only ensure the system work well but not at its best performance.

### Testing Tools and Environment

* Windows 7 operating system
* Google Chrome 19 or higher
* Microsoft Visual Studio 2010 SP1
* Microsoft SQL Server 2008 R2

## Test Cases

### *Functions*

#### Login

#### Role ‘Vendor’

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test case No** | **Test case** | **Input** | **Expected Result** | **Status** | **Type** | **Test Date** | **PIC** | **Note** |
| TC\_1 | Add new product | 1, Open the main page of Product 2, click *Add New* button on the top page 3, Input new product info 4a, Click *Create* button 4b, Click *Cancel* button | 2, Create product pop-up is displayed 3, The values must be valid 4a, - Redirect to the main page of Product  - The new product is shown in data table and save to database 4b, - Redirect to the main page of Product  - Nothing is changed | Passed | Normal | 10/3/2013 | ThinhNTY |  |
| TC\_2 | Edit existed product | 1, Open the main page of Product 2, click *Edit* icon on the record user want to modify 3, Input the values 4a, Click *Save* button 4b, Click *Cancel* button | 2, Edit pop-up is displayed 3, The values must be valid 4a, Redirect to the main page of Product - The product is updated in the data table and save to database 4b, Redirect to the main page of Product - Nothing is changed | Passed | Normal | 10/3/2013 | ThinhNTY |  |
| TC\_3 | Delete existed product | 1, Open the main page of Product 2, click *Delete* icon on the record user want to delete 3a, Click *OK* button 3b, Click *Cancel* button | 2, Confirm message is displayed 3a, Redirect to the main page of Product - The order removed from the data table. Database is updated 3b, Redirect to the main page of Product - Nothing is changed | Passed | Normal | 10/3/2013 | ThinhNTY |  |

#### Role ‘Hub’

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test case No** | **Test case** | **Input** | **Expected Result** | **Status** | **Type** | **Test Date** | **PIC** | **Note** |
| TC\_1 | Valid passcode | 1, Open the main page of Hub 2, Enter an valid passcode 3, Click *Submit* button | 3, System show the receiver detail of the passcode Hub staff has entered | Passed | Normal | 9/3/2013 | ThinhNTY | passcode: 321 |
| TC\_2 | Invalid passcode | 1, Open the main page of Hub 2, Enter an invalid passcode (the passcode is out of database or the order is delivered) 3, Click *Submit* button | 2, The passcode is not valid, system will show the message: Not a valid passcode | Passed | Abnormal | 9/3/2013 | ThinhNTY | passcode: 111111 |
| TC\_3 | Mark as Finished | \*Pre-condition: pass TC\_1 1. Click *Mark as Finished* button 2a. Click *OK* button 2b. Click *Cancel* button | 1. Confirm message is displayed 2a. Redirect to the main page of Hub, update Delivered and In Hub tabs 2b. Redirect to the main page of Hub, nothing happened | Failed | Normal | 9/3/2013 | ThinhNTY | must press F5 to update |
| TC\_4 | View Order by Sending to Hub Status | 1, Open the main page of Hub 2, Click *Sending to Hub* tab | 2, System will display data table with order status = sending to hub | Passed | Normal | 9/3/2013 | ThinhNTY | database must have Sending to hub status data |
| TC\_5 | View Order by In Hub Status | 1, Open the main page of Hub 2, Click *In Hub* tab | 2, System will display data table with order status = In Hub | Passed | Normal | 9/3/2013 | ThinhNTY | database must have In hub status data |
| TC\_6 | View Order by Delivered Status | 1, Open the main page of Hub 2, Click *Delivered* tab | 2, System will display data table with order status = Delivered | Passed | Normal | 9/3/2013 | ThinhNTY | database must have Delivered status data |
| TC\_7 | View Order by Expired Status | 1, Open the main page of Hub 2, Click *Expired* tab | 2, System will display data table with order status = Expired | Passed | Normal | 9/3/2013 | ThinhNTY | database must have Expired status data |
| TC\_8 | View Order by Waiting for Return Status | 1, Open the main page of Hub 2, Click *Waiting for Return* tab | 2, System will display data table with order status = Waiting for Return | Passed | Normal | 9/3/2013 | ThinhNTY | database must have Waiting for Return status data |
| TC\_9 | View Order by Returned Status | 1, Open the main page of Hub 2, Click *Returned* tab | 2, System will display data table with order status = Returned | Passed | Normal | 9/3/2013 | ThinhNTY | database must have Returned status data |
| TC\_10 | Change status on each order | 1, Open the main page of Hub 2, Click *Sending to Hub* / *Waiting for Return* tab 3, click change status button | 3, redirect to the main page of Hub - The order is changed status is removed from table. Record no of Sending to Hub/Waiting for Return decrease one. - The order is move to *In Hub/ Returned* tab. Record no. of *In Hub/Returned* increase one. | Failed | Normal | 10/3/2013 | ThinhNTY | - Record no of Sending to Hub/Waiting for Return is not decreased one - Record no of In Hub/Returned increase one. |
| TC\_11 | Change status of all orders | 1, Open the main page of Hub 2, Click *Sending to Hub* / *Waiting for Return* tab 3, check all orders in the first row to change status 4, click *Change Status* button (the button is out of data table) | 3, all orders are marked 4, redirect to the main page of Hub - All orders are changed status are removed from table. Record no of Sending to Hub/Waiting for Return is 0. - All orders are move to In Hub/Returned tab. Record no of In Hub/Returned is increased. | Failed | Normal | 10/3/2013 | ThinhNTY |  |
| TC\_12 | Change status of multi orders | 1, Open the main page of Hub 2, Click *Sending to Hub* / *Waiting for Return* tab 3, check orders in the first column of each row to change status 4, click *Change Status* button(the button is out of data table) | 3, orders are marked 4, redirect to the main page of Hub - Marked orders are changed status are removed from table. Record no of Sending to Hub/Waiting for Return is 0. - Marked orders are move to In Hub/Returned tab. Record no of In Hub/Returned is increased. | Failed | Normal | 10/3/2013 | ThinhNTY |  |

#### Role ‘Office staff’

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Test case No** | **Test case** | **Input** | **Expected Result** | **Status** | **Type** | **Test Date** | **PIC** | **Note** |
| **COLLECTION PLAN** | | | | | | | | |
| TC\_1 | Group all requests | 1, Open the main page of Collection plan 2, Choose *Group All Requests* 3, Click *Group* button | 3, All requests are grouped by latitude, longitude | N/A | Normal |  |  |  |
| TC\_2 | Group <no.> request(s) | 1, Open the main page of Collection plan 2a, Choose *Group <no.> Request(s)* 2b, Input the number user want to group requests 3, Click *Group* button | 2b, Input the positive number 3, Requests are grouped by each 3 requests which has the same latitude, longitude | N/A | Normal |  |  | group 3 requests |
| TC\_3 | Add request(s) to create plan | 1, Open the main page of Collection plan 2, Choose the requests to create plan 3, Click *Add* button | 3, Request(s) are copied to Selected Request box | N/A | Normal |  |  |  |
| TC\_4 | Remove request(s) from Selected Request box | 1, Open the main page of Collection plan 2, Choose the requests to remove from Selected Request box to Request box 3, Click *Remove* button | 3, Request(s) are removed to Request box | N/A | Normal |  |  |  |
| TC\_5 | Enter plan no. to create plan | 1, Open the main page of Collection plan 2, Input plan no. to create plan | 2, the plan no. must be a positive number | N/A | Normal |  |  | ex: input 3 plans |
| TC\_6 | Create new plan(s) successfully | \*Pre-condition: pass TC\_1(or TC\_2), TC\_3, TC\_5 1, Click *Solve* button | 1, Move to *Edit Plan(s)* screen - Plan(s) are created successfully | N/A | Normal |  |  |  |
| TC\_7 | View plan(s) info which are created (include: request(s) and map) | \*Pre-condition: pass TC\_06 1, click on plan user want to view/edit | 1, - Request(s) of this plan are displayed in the data table  - Map will be displayed the way DM will be going to | N/A | Normal |  |  |  |
| TC\_8 | Delete request of plan | \* Pre-condition: pass TC\_07 1, click *Delete* button on request user want to delete 2a, Click *OK* button 2b, Click *Cancel* button | 1, Confirm message will be displayed 2a, Redirect to *Edit Plan(s)* screen - The request is removed from the data table. Map is also updated | N/A | Normal |  |  |  |
| TC\_9 | Move request to another plan | \* Pre-condition: pass TC\_07 1, click *Move to another plan* button on request user want to remove from this plan 2, Choose plan user want to move the request to 3a, Click *OK* button 3b, Click *Cancel* button | 1, *Move to another plan* screen will be displayed - Combobox has plans list 3a, Redirect to *Edit Plan(s)* screen - The request is removed from the data table. Map is also updated  3b, Redirect to *Edit Plan(s)* screen - Nothing is changed | N/A | Normal |  |  |  |
| TC\_10 | Save modified plan(s) to database | \*Pre-condition: pass TC\_8 or TC\_9 1, click *Save* button | 1, Redirect to *Plan Management* screen - The table will be displayed the plan(s) are created | N/A | Normal |  |  |  |
| TC\_11 | Search *New* status | 1, Open *Plan Management* screen 2, Choose status = *New* 3, Click *Filter* button | 3, All plans have *New* status will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_12 | Search *All* status | 1, Open *Plan Management* screen 2, Choose status = *All* 3, Click *Filter* button | 3, All plans will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_13 | Search *Assigned* status | 1, Open *Plan Management* screen 2, Choose status = *Assigned* 3, Click *Filter* button | 3, All plans have *Assigned* status will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_14 | Search *Canceled* status | 1, Open *Plan Management* screen 2, Choose status = *Canceled* 3, Click *Filter* button | 3, All plans have *Canceled* status will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_15 | Search *Finished* status | 1, Open *Plan Management* screen 2, Choose status = *Finished* 3, Click *Filter* button | 3, All plans have *Finished* status will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_16 | Search *None* status | 1, Open *Plan Management* screen 2, Choose status = *None* 3, Click *Filter* button | 3, All plans will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_17 | Search multiple status | 1, Open *Plan Management* screen 2, Choose status = *New|Assigned|Canceled|Finished* 3, Click *Filter* button | 3, All plans have *New|Assigned|Canceled|Finished* status will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_18 | Search by *Date* | 1, Open Plan Management screen 2, Input *From Date* and *To Date* value3, Click *Filter* button | 2, The date must be valid 3, All orders mapped search condition will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_19 | Search by *From Date* | 1, Open Plan Management screen 2, Input *From Date - To Date* is blank3, Click *Filter* button | 2, The *From Date* must be valid 3, All orders mapped search condition will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_20 | Search by *To Date* | 1, Open *Plan Management* screen 2, Input *To Date - From Date* is blank3, Click *Filter* button | 2, The *To Date* must be valid 3, All orders mapped search condition will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_21 | View detail of each plan | 1, Open *Plan Management* screen 2, Click *View Detail* button on the plan | 2, *View Detail* screen will be displayed | N/A | Normal |  |  |  |
| TC\_22 | Assign Delivery men to plan | \*Pre-condition: Pass TC\_21 1, Check the DM to assign 2, Click *OK* button | 2, Redirect to *View Detail* screen - DM(s) are assigned to the plan | N/A | Normal |  |  |  |
| **DELIVERY PLAN** | | | | | | | | |
| TC\_1 | Group all orders | 1, Open the main page of Delivery plan 2, Choose Group All orders 3, Click Group button | 3, All orders are grouped by latitude, longitude | N/A | Normal |  |  |  |
| TC\_2 | Group <no.> order(s) | 1, Open the main page of Delivery plan 2a, Choose Group <no.> order(s) 2b, Input the number user want to group orders 3, Click Group button | 2b, Input the positive number 3, orders are grouped by each 3 orders which has the same latitude, longitude | N/A | Normal |  |  | group 3 orders |
| TC\_3 | Add order(s) to create plan | 1, Open the main page of Delivery plan 2, Choose the orders to create plan 3, Click Add button | 3, order(s) are copied to Selected order box | N/A | Normal |  |  |  |
| TC\_4 | Remove order(s) from Selected order box | 1, Open the main page of Delivery plan 2, Choose the orders to remove from Selected order box to order box 3, Click Remove button | 3, order(s) are removed to order box | N/A | Normal |  |  |  |
| TC\_5 | Enter plan no. to create plan | 1, Open the main page of Delivery plan 2, Input plan no. to create plan | 2, the plan no. must be a positive number | N/A | Normal |  |  | ex: input 3 plans |
| TC\_6 | Create new plan(s) successfully | \*Pre-condition: pass TC\_1(or TC\_2), TC\_3, TC\_5 1, Click *Solve* button | 1, Move to *Edit Plan(s)* screen - Plan(s) are created successfully | N/A | Normal |  |  |  |
| TC\_7 | View plan(s) info which are created (include: order(s) and map) | \*Pre-condition: pass TC\_06 1, click on plan user want to view/edit | 1, - order(s) of this plan are displayed in the data table  - Map will be displayed the way DM will be going to | N/A | Normal |  |  |  |
| TC\_8 | Delete order of plan | \* Pre-condition: pass TC\_07 1, click Delete button on order user want to delete 2a, Click OK button 2b, Click Cancel button | 1, Confirm message will be displayed 2a, Redirect to Edit Plan(s) screen - The order is removed from the data table. Map is also updated | N/A | Normal |  |  |  |
| TC\_9 | Move order to another plan | \* Pre-condition: pass TC\_07 1, click Move to another plan button on order user want to remove from this plan 2, Choose plan user want to move the order to 3a, Click OK button 3b, Click Cancel button | 1, *Move to another plan* screen will be displayed - Combobox has plans list 3a, Redirect to Edit Plan(s) screen - The order is removed from the data table. Map is also updated  3b, Redirect to Edit Plan(s) screen - Nothing is changed | N/A | Normal |  |  |  |
| TC\_10 | Save modified plan(s) to database | \*Pre-condition: pass TC\_8 or TC\_9 1, click *Save* button | 1, Redirect to *Plan Management* screen - The table will be displayed the plan(s) are created | N/A | Normal |  |  |  |
| TC\_11 | Search *New* status | 1, Open *Plan Management* screen 2, Choose status = *New* 3, Click *Filter* button | 3, All plans have *New* status will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_12 | Search *All* status | 1, Open *Plan Management* screen 2, Choose status = *All* 3, Click *Filter* button | 3, All plans will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_13 | Search *Assigned* status | 1, Open *Plan Management* screen 2, Choose status = *Assigned* 3, Click *Filter* button | 3, All plans have *Assigned* status will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_14 | Search *Canceled* status | 1, Open *Plan Management* screen 2, Choose status = *Canceled* 3, Click *Filter* button | 3, All plans have *Canceled* status will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_15 | Search *Finished* status | 1, Open *Plan Management* screen 2, Choose status = *Finished* 3, Click *Filter* button | 3, All plans have *Finished* status will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_16 | Search *None* status | 1, Open *Plan Management* screen 2, Choose status = *None* 3, Click *Filter* button | 3, All plans will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_17 | Search multiple status | 1, Open *Plan Management* screen 2, Choose status = *New|Assigned|Canceled|Finished* 3, Click *Filter* button | 3, All plans have *New|Assigned|Canceled|Finished* status will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_18 | Search by *Date* | 1, Open Plan Management screen 2, Input *From Date* and *To Date* value3, Click *Filter* button | 2, The date must be valid 3, All orders mapped search condition will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_19 | Search by *From Date* | 1, Open Plan Management screen 2, Input *From Date - To Date* is blank3, Click *Filter* button | 2, The *From Date* must be valid 3, All orders mapped search condition will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_20 | Search by *To Date* | 1, Open *Plan Management* screen 2, Input *To Date - From Date* is blank3, Click *Filter* button | 2, The *To Date* must be valid 3, All orders mapped search condition will be displayed in the data table | N/A | Normal |  |  |  |
| TC\_21 | View detail of each plan | 1, Open *Plan Management* screen 2, Click *View Detail* button on the plan | 2, *View Detail* screen will be displayed | N/A | Normal |  |  |  |
| TC\_22 | Assign Delivery men to plan | \*Pre-condition: Pass TC\_21 1, Check the DM to assign 2, Click *OK* button | 2, Redirect to *View Detail* screen - DM(s) are assigned to the plan | N/A | Normal |  |  |  |

#### Role ‘Customer’

## Checklist

N/A

### Checklist validation

N/A

### Submission Checklist

N/A

## Other material (if any)

N/A

### Checklist validation

N/A