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|  | **MINISTRY OF EDUCATION AND TRAINING** |

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| **FPT UNIVERSITY** | | |
| CAPSTONE PROJECT DOCUMENT | | |
| **SITE BUILDER FOR PRODUCT CATALOGUE** | | |
| **SE07.B – GROUP 7** | |
| **Group Members** | |  |  |  | | --- | --- | --- | | Phạm Văn Thắng | Team Leader | SE61092 | | Lê Trần Thịnh | Team Member | SE61152 | | Phạm Khương Duy | Team Member | 60195 | | Lê Thanh Tuấn | Team Member | SE60636 | |
| **Supervisor** | Nguyễn Huy Hùng |
| **Capstone Project code** |  |

- Ho Chi Minh City, January/2014 -

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**Definition, Acronyms, and Abbreviations**

|  |  |
| --- | --- |
| **Name** | **Definition** |
| SBPC | Site Builder for Product Catalogue |
|  |  |

# Report No.1 Introduction

## Project Information

* Project Name: Site Builder for Product Catalogue
* Project Code: SBPC
* Product Type: Web application
* Start Date: January 6, 2015
* End Date: April 25, 2015

## Introduction

Nowadays, the development of internet and information technology led to the dramatic increase in online users. Among of them, a lot of users search for necessary products, suitable prices, brands and price comparison as well. Hence, more and more companies want to create a website for showing their product catalogue as an online marketing method.

Besides, we all recognized that creating a website for non IT Commercial Corporation is time consuming and expensive.

Currently, in Vietnam, there are some websites that provide site builder services for creating a commercial website. However, they are not easy to use and do not concentrate on any fields. Therefore, it is hard for corporations to use their services especially for creating products catalogue website.

From above mentioned reasons, this project is going to build a site builder for products catalogue.

## Current Situation

There are many websites services support for building site in Viet Nam, some of popular sites are websieutoc.vn, wevina.vn, and bizweb.vn. Those sites help user build various types of sites such as online ecommerce, medical, fashion, services and many other fields.

To begin using those sites services, user must register to system, then, user can move to site builder page. The system suggests user for default site templates or blank templates. At site builder page, a tool box helps user drag and drop content into their site. User can also customize site layout, background, header and footer.

Some of features require paying or upgrading account example mapping site domain. After completing building site, user can save their site and publish it if they want. The system supports for publishing with default domain, if choose another, user must pay.

## Problem Definition

Although many function of above mentioned websites, they still have weaknesses. They do not concentrate on any fields especially products catalogue sites. It is not easy to use their service for new user because of confuse interface and difficult manipulation on builder page. Moreover, the system does not support products detail management and website statistics.

## Proposed Solution

### 5.1 Feature functions

This site builder mainly concentrates on creating products catalogue sites. It is not only offers to create site base on available templates but also offers to customize site base on default site template/theme. In addition, the site builder also supports for mapping user’s site domain. If user does not have any domains, the site builder will support for a default domain. User can view statistics about number of visitors to their website, which products visitors mostly view.

### 5.2 Advantages and disadvantages

- Advantages:

* Focus on building products catalogue site
* Enhance visibility and effectiveness by drag and drop function
* Support website statistics
* Support products detail management

- Disadvantages:

* E-Commerce websites are not support
* Websites with volatile and complex data are not suitable.

## Functional Requirements

Function requirements of the system are listed as below:

* Account management
* Advantage template searching
* Default website template/theme creation
* Website template/theme customization
* Website’s statistics handler
* Product items management
* Payment method for premium features
* Website’s domain mapping

## Role and Responsibility

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Full Name** | **Role** | **Position** | **Contact** |
| **1** | Nguyễn Huy Hùng | Project Manager | Instructor | hungnh@fpt.edu.vn |
| **2** | Phạm Văn Thắng | Developer | Leader | thangpvse61092@fpt.edu.vn |
| **3** | Lê Trần Thịnh | Developer | Member | thinhltse61152@fpt.edu.vn |
| **4** | Phạm Khương Duy | Developer | Member | duypk60195@fpt.edu.vn |
| **5** | Lê Thanh Tuấn | Developer | Member | tuanltse60636@fpt.edu.vn |

**Table 1: Roles and Responsibilities**

# Report No.2 Software Project Management Plan

## Problem Definition

### Name of this Capstone Project

Site Builder for Product Catalogue (SBPC).

### Problem abstract

In Viet Nam, many websites support for building products catalogue site, but they have complex interface and manipulation. User cannot manage products detail information or view site statistics. In addition, they just support for adding products and categories simply or not support.

### Project Overview

#### Current Situation and Disadvantages

Some of popular websites in Viet Nam support for building sites

|  |  |  |
| --- | --- | --- |
| **Website name** | **Advantages** | **Disadvantages** |
| websieutoc.vn | Build sites of many fields such as products catalogue, services, fashion, beauty and medical. | Very confuse interface and system flow. After login to system, system moves to admin page, but when move to builder page, the interface is also admin page. User cannot change template. |
| wevina.vn | * Can change site type between private and business. * Disable site status from active to inactive and reversely. * Tool box for building site is easy to use | - Cannot add products and categories.  - Not support for mapping domain. |
| bizweb.vn | * Tool box for building site is easy to use and strongly supports for adding products quickly. * Allows adding new module example photo gallery or map. * User can modify module position * Supports for customizing CSS and HTML * Supports for order management. * Integrates store to facebook.com, hangtot.com | - User must remember their created website name to login.  - Menu arrangement and interface are confused.  - It is difficult to modify layout and background. |

**Table 2: Current sites builder service advantages and disadvantages**

#### The Proposed System

From above disadvantages, this project is going to build up a site builder for products catalogue. User can choose a default template and customize it. For site building manipulation, user can drag and drop elements from a tool box at builder page. User can also upgrade their account type to have more features. When completing building site, user can preview site and mapping domain. For report, site statistics will show information about number of visitors and which products mostly viewed.

#### Boundaries of System

**Boundaries**:

- The system is a web application, which concentrates on helping user build products catalogue sites

- For more feature example mapping existing domain or premium template, user must upgrade their account type.

- Site statistics will show information about number of visitors and which products mostly viewed.

**Development language**: C#

#### Development Environment

##### Hardware requirement

**For Server**

|  |  |  |
| --- | --- | --- |
| **Windows** | **Minimum Requirements** | **Recommended** |
| Internet Connection | Cable, Wi-Fi (4 Mbps) | Cable, Wi-Fi (8 Mbps) |
| Operating System | Window 7 | Window 7 |
| Computer Processor | Intel® Xeon® Quad Core 2.50 GHz | Intel® Core™ i3 (2.50 GHz) |
|  |  |  |

**Table 3: Hardware Requirement for Server**

##### Software requirement

- Window 7: operating system and platform for

development.

- SQL Server 2012: used to create and manage the

database for system.

- Visual Studio 2013: used to implement website and web service.

- Google Code & TortoiseSVN: used for source control.

- StarUML: used to create models and diagrams.

- Skype and gmail: used for communication and meeting.

## Project Organization

### Software Process Model

<Mô tả về mô hình phát triển mà nhóm lựa chọn, có ảnh hướng tới

mục 3 Project management plan>

Ví dụ

Project is developed under modified waterfall model (SASHIMI).

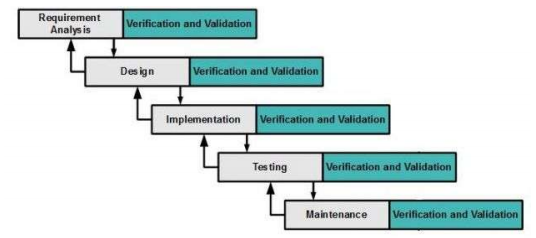
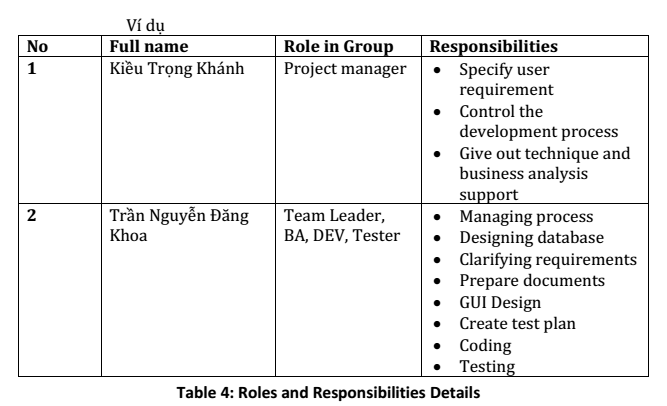


Figure 1: Modified Waterfall Development Model

For more information: http://www.waterfall-model.com/sashimi-waterfall-model/

### Roles and responsibilities

Mô tả vai trò của từng thành viên trong dự án



### Tools and Techniques

<Các công cụ sử dụng: chú ý ghi gõ phiên bản>

## Project Management Plan

### Software development life cycle

## Coding Convention