

## BORANG PENGESAHAN STATUS TESIS

JUDUL: E-CATALOG TEMPLATE

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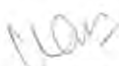
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**E-CATALOG TEMPLATE**

**WAN NAHIJAH BINTI MOHAMAD**

This report is submitted in partial fulfillment of the requirements for the Bachelor of  
Computer Science (Software Development)

**FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY  
UNIVERSITI TEKNIKAL MALAYSIA MELAKA  
2007**

## DECLARATION

I hereby declare that this project report entitled

### E-CATALOG TEMPLATE

Is written by me and is my own effort and that no part has been plagiarized without citations.

STUDENT :  \_\_\_\_\_ Date: 20/10/2007  
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## **DEDICATION**

Special dedication to my beloved parents, Mohamad bin Hussain and Rapiaah binti Hj Wan Abd Kadir who have giving me support and motivation throughout my PSM.

Furthermore, this dedication also to my PSM supervisor, Cik Intan Ermahani A. Jalil for her consultation, advice, comment and support just to make sure that I can complete this PSM successfully.

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## ABSTRACT

This E-Catalog Template is developed for the benefit of the owner of the online shop to publish or advertise their own product by internet. Users do not have to print the catalog by manual way on some pieces of paper or pay service of professional person to design a creative catalog. With E-Catalog Template, users can create catalog themselves and can reduce cost or time to finish each catalog. Besides that, user also can update the latest product by uploading the product picture to attract their customer to buy their product. E-Catalog Template based on Content Management System (CMS) where it will manage the content in the web site and the arrangement of content becomes more systematic. CMS also can store several type of big amount of data in the database such as text, image, video or audio. The method used to develop E-Catalog Template is V-Shape methodology. This methodology is very flexible and programmer can reduce some time to develop the system where the development phase and testing phase will be done together at one time. The analysis study is done based on the current system scenario and analysis about the system that will be developed. Through that analysis, several requirements will be added to improve the current system. In design phase, it focuses on designing new system architecture, interfaces and also database. Meanwhile, implementation phase explains about activity involved in the implementation phase and how to configure software management. The test strategy used to test the E-Catalog Template is black-box testing. The strength and weakness of the system is stated with the propositions to improve the system and to whom it will be contributed. Lastly, it is hoped that this system will help the owner of the online shop in the future.

## ABSTRAK

*E-Catalog Template* ini dibangunkan untuk memudahkan pemilik kedai untuk mengiklan atau mempromosikan produk mereka di internet. Pengguna tidak perlu lagi untuk mencetak katalog tersebut secara manual iaitu di atas sekeping kertas atau mengupah tenaga professional untuk mereka sebuah katalog yang menarik. Dengan adanya *E-Catalog Template*, pengguna dapat membuat katalog sendiri dan dapat mengurangkan kos serta masa untuk menyiapkan sesuatu katalog. Disamping itu juga pengguna dapat menambahkan produk terbaru serta meletakkan gambar produk di dalam katalog tersebut supaya ia lebih menarik perhatian pembeli. *E-Catalog Template* ini berdasarkan *Content Management System (CMS)* di mana ia akan menguruskan kandungan di dalam laman web pengguna serta susunan kandungan juga lebih sistematik. Ia juga dapat menyimpan jumlah data yang besar di dalam pangkalan data dalam pelbagai bentuk iaitu teks, imej, video atau audio. Kaedah yang digunakan untuk membangunkan *E-Catalog Template* ini adalah menggunakan metodologi *V-Shape*. Metodologi ini sangat fleksibel dan dapat menjimatkan masa pengaturcara untuk membangunkan sesuatu sistem di mana fasa pembangunan dan fasa pengujian akan dijalankan secara serentak. Kajian analisa yang dilakukan berdasarkan senario sistem semasa dan juga analisa tentang sistem yang ingin dibangunkan. Melalui analisa tersebut, ada beberapa keperluan perlu ditambah untuk penambahbaikan sistem semasa. Bagi fasa rekabentuk, ia lebih memfokuskan kepada rekabentuk arkitektur, antaramuka dan juga pangkalan data. Fasa pelaksanaan pula menerangkan tentang aktiviti yang terlibat dan juga bagaimana untuk menguruskan rekabentuk perisian. Strategi pengujian yang digunakan untuk menguji sistem ini adalah pengujian kotak hitam. Kekuatan dan kelemahan sistem bersama-sama dengan cadangan penambahbaikan dan juga kepada siapa sistem ini disumbangkan telah dinyatakan dalam laporan ini. Akhir sekali, diharap sistem ini dapat membantu pemilik kedai pada masa akan datang.

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**LIST OF ABBREVIATIONS**

<b>ASP</b>	Active Server Pages
<b>AUT</b>	Application Under Testing
<b>CDA</b>	Content Delivery Application
<b>CMA</b>	Content Management Application
<b>CMS</b>	Content Management System
<b>DBMS</b>	Database Management System
<b>ECT</b>	E-Catalog Template
<b>ERD</b>	Entity Relationship Diagram
<b>FK</b>	Foreign Key
<b>FTP</b>	File Transfer Protocol
<b>GB</b>	Gigabytes
<b>GUI</b>	Graphic User Interface
<b>HCI</b>	Human Computer Interaction
<b>HTML</b>	Hypertext Markup Language
<b>HTTP</b>	Hypertext Transport Protocol
<b>IIS</b>	Internet Information Services
<b>IP</b>	Internet Protocol
<b>MB</b>	Megabytes
<b>OOAD</b>	Object-Oriented Analysis and Design
<b>PHP</b>	Personal Home Page
<b>PK</b>	Primary Key
<b>PSM</b>	Projek Sarjana Muda
<b>TCP</b>	Transmission Control Protocol
<b>UML</b>	Unified Modeling Language
<b>W3C</b>	World Wide Web Consortium

**WAI**

Web Accessibility Initiative

**WYSIWYG**

What You See Is What You Get

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## **CHAPTER 1**

### **INTRODUCTION**

#### **1.1 Project Background**

Nowadays, there are many ways used by shopkeeper or shop owner to advertise their product such as template, catalog or either by advertising them online or print on some pieces of paper. The purpose of advertising the product is to increase the product selling. To attract customer to buy their product, user must create interesting and creative template or catalog with the product's picture in it and some description about the product. The problem is that not all people are creative in designing or good in programming.

As a solution for the above problem E-Catalog Template will be developed. E-Catalog Template is developed to make a cost-effective content management website and or to publishing solution to advertise online product. E-Catalog Template is an ideal solution for owner of the online shop or shopkeeper who wants to publish their own product without using a lot of time and cost a lot of money on developing the catalog or template. The owner of the online shop or shopkeeper can develop this catalog or template by themselves without paying to anyone to design it. The shopkeeper also can advertise the product picture to attract customers to visit the E-Catalog Template website.

This E-Catalog Template based on Content Management System (CMS). CMS is very useful on web sites where the maintenance can be taken care by non technical user or anybody who doesn't know about programming. This CMS also can make the catalog or template becoming more systematic and easy to use for new user.

The content management system provides a complete content over the website content such as add or edit product and upload the picture in the catalog. The shopkeeper doesn't need to know HTML and by using the E-Catalog Template the shopkeeper can upload the product picture and create description about the product.

The E-Catalog Template is the most extensive, comprehensive and affordable content management solution available whether deployed across multiple properties to power an involved enterprise system or launched within minutes to an individual website. Hopefully, E-Catalog Template can be realized and the shopkeeper can uses this system easily.

## **1.2 Problem Statements**

E-Catalog Template is developed because of some problems in the current system that encourages developing this system. The detail problem from the existing system that uses the website or the manual system by will be explained below.

The problem is that the owner of the online shop or shopkeeper must use services from professional person to develop the catalog. The professional person such as editor, designer or programmer will be responsible with their work and will develop the catalog based on the user requirements. The professional person will also concentrate on what they know best.

From the above problem, the shopkeeper must pay for services from the professional person. It's a waste of money because payments for professional services

are very expensive. At the same time, this will increase the project budget in a promotion part that includes developing a catalog for advertising their product.

Beside that, the shopkeeper will take a lot of time to develop the catalog by himself/herself. To develop the interesting catalog, the shopkeeper must know about programming or scripting. If the shopkeeper knows a little bit about it, they must take more time to learn and develop a template himself/herself.

Other problem with the current system is the use of paper. With paper based catalog, the shopkeeper must buy paper and ink to print the catalog. The customer may misplace the catalog and will try to find it when they want to use the catalog again.

### 1.3 Objectives

Based on the problem statement, the purposes of developing E-Catalog Template are as follows:

- i) To develop an easy system that can get benefit to shopkeeper to advertise their product online. The shopkeeper should register first before using all the operation that was provided in the E-Catalog Template. After that, the shopkeeper can all use all operation such as shopkeeper can insert shop information, add the new product, upload the product picture and edit the user profile.
- ii) To reduce the time for the shopkeeper to advertise their product online. The shopkeepers won't be taking a long time to develop or design each catalog. Shopkeeper will only have to upload the product picture and creates the description. After saving all information about the product, the result will appear automatically without having trouble arranging the layout of the catalog.

- iii) The shopkeeper can reduce the project budget in the promotion part. The shopkeeper can develop the catalog themselves by using E-Catalog Template without paying to professional person. The shopkeeper doesn't have to buy paper or ink to print the catalog manually. Besides, they can publish the catalog by online.
- iv) Allow the user or customer to access the new product and detail about the product that was uploaded by the shopkeeper before. With E-Catalog Template, customer can view the new product that was updated by the shopkeeper and can make a booking online also.
- v) To develop simple and user-friendly interface for easy access to shopkeeper to use this system. Although it is the first time the shopkeeper uses this system. To have a user-friendly interface that includes the Human Computer Interaction (HCI) principles to make the perfect interface.

## 1.4 Scope

This part will tell about the target user, platform that will be used and scopes for the system.

### 1.4.1 User

- i) There are three main users in this system that is the admin as a programmer, shopkeeper or owner of the shop and customer. In this system, the admin is the one who is responsible to develop E-Catalog Template and having full access and privileges. The admin also has the authority to delete this system