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(HURUF BESAR)

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**INDUSTRIAL TRAINING PLACEMENT MANAGEMENT SYSTEM
(DATABASE MANAGEMENT)**

ZURAIHANIM BT BACHOK

**This report is submitted in partial fulfillment of the requirements for the Bachelor of
Computer Science (Database Management)**

**FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
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2010

DECLARATION

I hereby declare that this project report entitled

Pc CATALOG SYSTEM

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

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DEDICATION

To my beloved parents who have been giving me moral support and motivation throughout my project until successfully.

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Firstly, i would like to express my deep appreciation and sincere gratitude to Profesor madya norhaziah binti md salleh, my supervisor, for his wisdom, invaluable Guidance and professionalism from the beginning to the end in the course of my Project.

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ABSTRACT

The aim of this project is to develop a generic Pc Catalog System. The development of this system is purposely to manage business process and overcome problems faced by Pc Catalog owner during managing their business. Currently, many computer systems help them in managing their business. This will cause several problems occurred such as loss of data, data cannot be analyzed and also large amount of data cannot be managed at one time. This system is also composed with seven modules provided purposely to overcome the problems faced. This system is developed by using PHP language and MySQL as database management software. The methodology that is used to develop this project is **Database Life Cycle (DBLC)**. The study has been made during developing the system and among of the study are by searching on the internet about existing system that is similar with the system that want to be developed. The output from this project will be a computerized system that can help any types of pc catalog shop in order to manage their business process easily.

ABSTRAK

Matlamat utama projek adalah untuk membangunkan Sistem Pc Catalog. Pembangunan system ini adalah bertujuan untuk menguruskan proses perniagaan dan membantu pihak pengurus menangani masalah yang dihadapi dalam urusan perniagaan mereka. Pada masa kini. Banyak computer membantu dalam perniagaan. Hal ini dapat menangani masalah kehilangan data yang tidak boleh dianalisis. System ini dibangunkan dengan menggunakan bahasa PHP dan MYSQL serta perisian pengurusan database. methodologi iaitu DBLC. Kajian melalui internet berdasarkan kepada system-system sedia ada dilakukan sebelum membangunkan system. Hasil output dari system ini akan dikomputerkan bagi membantu walau apa jenis system yang berbentuk seperti system Pc catalog bagi memudahkan proses diurus.

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LIST OF ABBREVIATIONS

DBLC	-	Database Life Cycle
CCL	-	Data definition Language
DFD	-	Data Flow Diagram
NF	-	Normal Form
PK	-	Primary Key
FK	-	Foreign Key

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CHAPTER I

INTRODUCTION

1.1 Project Background

System that will develop is PC Catalog System. This system will record in detail about the product of personal computer and equipment or accessory of computer, order details taken by customer, shop configuration, and user management. This system will be use by customer and employee that divide into staff and admin. Otherwise, customer can choose the payment method selection in online transaction. Each customer will have privilege to view product divide by category, select all their product order. Employee also has privilege to view the customer's order, manage order status, print report of orders, and manage address configuration of shop in page.

1.2 Problem statement

The situation is employees have a problem to handle customers and orders in the same time to sell or promote their company product. Company need more staff to handle the selling. It's can give problem to pay more salary for staff. PC Catalog system offers item following the user need by selecting the equipment as an added item, another way user need to calculate their orders item by own. All

data selected fill in a form will store in database. The current system is very difficult to user; customer need to line up to make payment because of the current system is only have calculation function. Another problem will involve when customer want to change their item product while another customers are in line to pay.

The problem also involve when the new product from vendor are recorded manually. The product record by manually is very hard to make a report in company. It is also hard for company to detect which product was finished and the price of all product detail. Bad marketing in company because of the information of new product are not separate widely.

1.3 Objective

This system has an objective to archive. As company, they can save their budget to pay the salary for their staff. By the PC catalog system development, company can save time by handling their customers. More than that, this system development gives more facilities to customer to change their product chosen before buy it. Customer can change product chosen anytime before buy it and update the total of item they want. Customer need to confirm the chosen product before buy it.

- i. To manage product using online application
- ii. To increase the security and data recover
- iii. To generate a report

1.4 Scopes

This system will involve action between customer and employees of company. The employees are registered by manager that head of company. Also the vendor that supplies the entire company product sells.

1.4.1 Customer

Customer buy product by online or direct to the shop of company. Customers have selection to choose the product and also have selection to pay using paypal online or cash on delivery.

1.4.2 Catalog

Catalog contains the product that divides in category such as category Printer Canon, consist of the Canon i255, canon MP258. Another product is the equipment of personal computer like external hardisk, printer, ram, mouse, cover screen and others.

1.4.3 Employee

Employee divides in two categories that are staff and admin. Employee can update, delete the item category and product, also can view customer register, delete register that's not active and also delete banned user.

1.4.4 Modules

i. Backup and recovery

Backup and recovery are important in system. Backup product data, consist the product in any category and orders of customers. Backup data will convert to excel files and backup system will convert to sql file (.txt). All backup data can recovery back in system to make sure the data are no loss.

ii. Authentication Security:

Authentication security governs the barrier that must be passed before the user can access particular information. The user must have some validation form of identification before access is granted.

iii. Roles and privileges

This application have two roles, customer roles and staff roles, where for staff that assign as DBA privilege and customer only have select and view privilege only.

1.5 Project significance

Project significance describes the benefits that the users get from this project. The benefits that the users get briefly explained below.

i. Customer

This system help customer to make order as soon as possible, also save customer time, fulfill customer requirement, and also help customer to get information about product in product description.

ii. Employee

Employee can access system to manage the order by customer and all product insert. This function will help them do the calculation more efficient and systematic.

iii. Catalog

Catalog contain all product selling, it's important to store in database include the price and other description include of category, product, list of customer and employee.

1.6 Expected output

This system hopefully can integrate with mysql and php which can help organized and store the data safely in database. This system also help user to manage their business process and plan their marketing strategies based on information stored in database.

1.7 Conclusion

All the problem statement is state with the objective elaboration to solve the problem statement in system. The scope also showed who involve in the

system with the modules included. The system have significant to make sure the system have value and important to upgrade the manual system.

This system develops followed by the planning in proposal. Important to user include customer and employee to make sure they get the benefit from this system. The introduction chapter will be delivered to the next chapter in chapter II that contain the literature review and project methodology.