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Zulatfi Hamdan.

## MANAGEMENT SYSTEM FOR A BOOK PUBLICATION COMPANY

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This report is submitted in partial fulfillment of the requirements for the  
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I hereby declare that this project report entitled  
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is written by me and is my own effort and that no part has been plagiarized  
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## ABSTRACT

This project papers is recorded as Management System For a Book Publication Company for Faculty of Information and Communications Technology under Kolej Universiti Teknikal Kebangsaan Malaysia. This document records the process of development for Management System For a Book Publication Company from beginning until the high-level design in design phase. Management System For a Book Publication Company is developed to support the current system. The problems under current system not have security data system, difficult to gain information with fast and precise, All calculations are done manually by the admin. So, there will be some human mistakes that can cause loss book order, royalties, book stock and book sales and difficult to print out a report. Meanwhile, the current system also can't minimize cost, time and energy usage when to analyze order information, sale information, royalty information and etc. The aim of the system is to ease publisher manage publishing book by providing a computerized management more efficiently. This system is providing authenticated login user operation when want to log in. The users of this system are Authors and Publisher. For author this system is providing book registration and author registration. Meanwhile, for publisher this system is providing operation order book, employee registration, check a literary, book sale and royalty. The output this system are the authors can know literary status, royalty and book sale performance between other authors. The publisher can know performance from publishing book until calculate a royalty. Database Lifecycle (DBLC) is chosen as the methodology of this project. Flow chart and Data Flow Diagram (DFD) are used in representing the system flow and the data flow of both current system and to-be system. Entity Relationship Database (ERD) it using for make relationship with tables in database Therefore, this system can help to manage publishing book with efficient for support authors and publisher to use this system.

## ABSTRAK

Kertas projek ini dinamakan Sistem Pengurusan Syarikat Penerbit. Sistem Pengurusan Syarikat Penerbit Buku dibangunkan untuk menyokong system pengurusan semasa . Masalah sistem pengurusan semasa adalah tidak mempunyai sistem keselamatan data yang kukuh, sukar untuk mencapai informasi buku dalam sistem dengan cepat dan tepat, sistem pengiraan seperti mengira royalti, tempahan buku, menjual buku dan stok buku yang dilakukan oleh pengguna mungkin melakukan pengiraan tidak tepat. Selain itu, system semasa tidak dapat mencetak report, slip atau resit dengan cepat. Sistem semasa juga tidak dapat meminimumkan penggunaan masa, kos dan tenaga ketika hendak menganalisis data tempahan, data jualan, data royalti dan lain-lain lagi. Tujuan utama sistem ini dibangunkan adalah untuk membantu syarikat penerbit buku menguruskan penerbitan buku dengan berorientasikan sistem berkomputer yang lebih cekap dan tepat. Pengguna sistem ini terdiri daripada dua pihak iaitu penulis dan penerbit. Selain itu, sistem ini menyediakan operasi pengesahan kata nama dan kata laluan semasa *log in* , operasi pendaftaran buku bagi penulis, operasi pendaftaran penulis, operasi pendaftaran penerbit, operasi menilai karya penulis, operasi tempahan buku, operasi jualan buku dan operasi pengiraan royalti bagi penulis dan penerbit. Output yang keluar daripada sistem ini adalah penulis dapat mengetahui status karya mereka, penulis dapat mengetahui royalti mereka dan dapat mengetahui perkembangan jualan buku antara penulis. Penerbit pula dapat mengetahui perkembangan dari menerbitkan buku hingga mengira royalti. Kitar Hayat Pangkalan Data (DBLC) dipilih sebagai metodologi bagi system ini. Carta alir dan rajah aliran data (DFD) digunakan di dalam mewakili perjalanan aliran sistem dan perjalanan aliran data bagi sistem semasa dan sistem yang akan dibangunkan. Perhubungan entiti pangkalan data ( ERD) digunakan dalam mewakili perhubungan jadual-jadual dalam pangkalan data. Oleh itu, sistem ini dapat membantu menguruskan menerbitkan buku dengan efisien bagi menyokong penulis dan penerbit menggunakan sistem ini.

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## LIST OF ABBREVIATION

CFML	ColdFusion Markup Language
CGI	Common Gateway Interface
CD	Compact Disc
DBLC	Database Life Cycle
DVD	Digital Video Disc
DBMS	Database Management System
DFD	Data Flow Diagram
ERD	Entity Relational Database
FK	Foreign Key
GUI	Graphical User Interface
IC	Identified Card
LAN	Local Area Network
MB	Mega Byte
MSFaBPC	Management System For a Book Publication Company
RAM	Random Access memory
ODBC	Open Database Connectivity
PC	Personal Computer
PK	Primary Key
PSM	Projek Sarjana Muda
SQL	Sequel Query Language
IIS	Internet Information Services



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F	Normalization
G	The Pseudo Code For Authors
H	The Pseudo Code For Publisher
I	Physical Database
J	Backup Database
K	Implementation
L	List Of Test Design
M	Test Data
N	Test Case
O	The Example Report
P	The Example Analysis

## **CHAPTER I**

### **INTRODUCTION**

#### **1.1 Project Background**

Management System For a Book Publication is a web based application. This system help the publisher manage publishing book with using computerized system application. It also can display the output such as a report and used to analyze for business references. This system provides modules which are suitable with current management and marketing business. It very important because will be help the user control their business more confidently and smoothly. This system integrates all functions across company onto a single computer system that can serve all those different functions particular needs. This system also combines all module and function together into single, integrated system programs that runs off a single database so that the modules' can more easily share information and communicate with each other.

## **1.2 | Problem Statement**

This system is based on company operation at Pustaka Sri Intan Bukit Beruang. Currently, the staffs use manual written application form. More problems happen when using the current system. The problem is difficult make a correction when do mistaken key in data. Therefore, cause a wasted using paper, time and cost operation. Meanwhile, this system also not has function of searching data. So, more energy and time needed to find out the data,

### **1.2.1 Unsecured Data**

By using the file systems structure the data security of a company not completely safe. The information of the real price of each product would be special to the other book publisher to compete.

### **1.2.2 Difficult To Gain Information**

The management side difficult to gain all the inventory information by using manual file system's structure which is not consistent. For example, they have to open many files or perhaps have to go to the store and needs to count the latest total of book left just to know whether it is appropriate to sales a new stock to the supplier.

### 1.2.3 Time

As mentioned above, stock checking is a tedious work that is time and energy consuming for book publisher without computer management system. More time is also needed to analysis for company book stocks Information specifies in Ordering Information, Book Information, Royalty Information and Sales Information. It also takes time to search anything such as a record, item, etc. The old records can be found in a second if computer management system is used.

### 1.2.4 Calculating Mistake

All calculations are done manually by the publisher. Therefore, there will be some human mistakes that can cause loss of profit, royalties and sales. By using this computerized system, calculations mistakes can be minimize.

### 1.2.5 Report

- i) This system it's difficult to print out a report on time.
- ii) The report difficult to make more print a report.
- iii) All generate a report are done by manually. More problems human mistake will be happen

### 1.3 Objective

- i) To provide web-based system for authors and royalty management. The calculation mistake can be reduced since the formulas have been coded into the system.
- ii) To enable users to view and print-out various type of information and report such as monthly sales receipt and etc.
- iii) To provide security system for secure the data. Which this system only allowed an authorized user.

### 1.4 Scope

- i) The type of platform use in this system is web application, which the user can log on anytime and anywhere. That means it is unlimited area can to access. So, the Internet connection is very important to access this system.
- ii) This system requires Windows platform as the Operating System, because most of industries using it.
- iii) Users for this system are divided into two categories, which are authors and publishers.
- iv) The publisher is responsible to manage the system operation. They can access all modules in this system. The number of users is limited to five people only for security reason. Meanwhile, the admin can to setup the module which can be to access other user.
- v) The output will be getting through this system. The authors can view their royalty, status literary and rating book sales between other authors. Meanwhile, they can to print their royalty report and book selling report for references. The output from system can to know performance and analysis their business.

vi) The modules provided in the system are:

a. User Information and Registration

- Author

The author makes registration their particulars. They also can do editing, viewing, updating, deleting and print their particulars.

- Publisher

The publisher make a register same like authors. But it limited to 5 users can register it. They can do view, update, delete and print all information in this module.

b. Book Information

- Author

The author makes register their literary particular and uploads their literary into the system. They can do update, delete, add, view and search their literary. They also can print their particular literary but for editing only 8 weeks for submission date.

- Publisher

The publisher can make search, update, delete and view all literary have registered. In this module, all literary registered will be checked whether it accepted or not.

c. Ordering Information

In this module the publisher can make an order number of book. They can make editing only 3 times for confirm ordering. The publisher can control and monitor a book stocks according number of book order. They can setup the schedule for process print a book. Meanwhile, they can view, search, delete, update, add and print out the ordering and book stock list.

d. Sales Information

This module the publisher makes a sale to vendor. They can know how much book is sold and their profit from book selling. They also can view, search, delete, update, add and print out a sales report.

e. Royalty Information

This module provides the royalty and profit calculation. The publisher makes a compute the royalty according book selling. They also can view, search, delete, update, add and print out a report for keeping.

f. Login

Have two types login, Authors Login and Employee Login. The user must key in username and password before enter the system.

## 1.5 Project Significance

By using the computerized systems structure the data security of a company completely safe. The system will locate an authorization part as a login to authenticate a user. Only the authenticate user can into this system. Meanwhile, the management side easy to gain all the inventory information For example they have only open many files through this system. Therefore, they no have to go to the store and needs to count the latest total of book left just to know whether it is appropriate to sales a new stock to the vendor. This system also can reduce time needed to do analyze for book stock, order information, sale information and royalty information. All calculation is done by computerized system. Therefore it can minimize some mistake that can cause loss of royalties, profits, sales and etc. It also provide information user like author the system will display their royalty, status literary and book sale performance between others authors. But the publisher the system will display from publishing a books until make a royalty operation. This system can generate report s on time and can make more print for keeping.

Meanwhile, this system can integrate all modules in one solution through single database. When can to integrate it can grasp and search the data with easy, fast and right. The problem redundant data also can be overcome. Then, the data can be communicated with modules which are related.