



Faculty of Computer Science and Information Technology

***BOOKSTORE MANAGEMENT SYSTEM FOR R.B AHMAD BOOKSHOP***

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Bachelor of Computer Science with Honours

(Information System)

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# **BOOKSTORE MANAGEMENT SYSTEM FOR R.B AHMAD BOOKSHOP**

SURIANTIH BINTI SUDDIN

This project is submitted in partial fulfilment of the  
requirements for the degree of  
Bachelor of Computer Science with Honours  
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Faculty of Computer Science and Information Technology

UNIVERSITI MALAYSIA SARAWAK

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# **BOOKSTORE MANAGEMENT SYSTEM FOR R.B AHMAD BOOKSHOP**

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Projek ini merupakan salah satu keperluan untuk  
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## **ABSTRACT**

*This work aims to describe the proposed system of Bookstore Management System for R.B Ahmad Bookshop. The development of the proposed system is to change the manual method to computerized system. The problem arise where customer complaint as they unable to order book through online. And for every ordering/purchasing book is recorded manually where might cause the document missing or misplace that difficult to the staff to make references. This proposed system aims to solve the matters and ease the staff as well as the customer and it also can save more time. Apart from this, the methodology used in this system is Rapid Application Development (RAD). The significance of this project is to facilitate staff to manage the record of ordering/purchasing book and customer for them to order/purchase book through online.*

## **ABSTTRAK**

Projek ini bertujuan untuk menerangkan Sistem Pengurusan Kedai Buku. Pembangunan sistem yang dicadangkan adalah untuk mengubah sistem kaedah manual kepada sistm berkomputer. Masalah timbul di mana keluhan pelanggan kerana mereka tidak dapat membeli buku melalui atas talian. Dan bagi setiap pembelian direkodkan secara manual di mana mungkin menyebabkan dokumen tersebut hilang atau tersalah letak yang menyebabkan kakitangan sukar untuk membuat rujukan. Sistem yang dicadangkan ini bertujuan menyelesaikan masalah dan memudahkan kakitangan serta pelanggan juga dapat menjimatkan lebih banyak masa. Selain itu, metodologi yang digunakan dalam sistem ini adalah Rapid Application Development (RAD). Kepentingan projek ini adalah untuk memudahkan kakitangan menguruskan rekod pembelian buku dan pelanggan untuk mereka membeli buku menerusi atas talian.



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## CHAPTER 1: INTRODUCTION

### 1.1 Background

R.B Ahmad Bookshop is located at Sri Aman, Sarawak. Mostly the resident from Sri Aman will come and purchase book at this bookstore. In this project, it will focus more on purchasing/ordering book only through online. Nowadays, we live in an era technology where there is a website / application that we can use to purchasing a book such as Amazon, MPH and so on. These websites / applications can do a lot of task such as sell book through online. These applications / website can be used on computer or mobile phone. However, there are still bookstores in a small area / town especially not available with these application / website such as bookstore at Sri Aman, Sarawak that they still using traditional method for a purchasing book which is came to the bookstore. Then, these problem lead to the customer complaint that they unable purchasing/ordering book due to the crowd at the shop and customer request to R.B Ahmad to develop a web-based system so that user can purchase a book through online also. It is easier to the resident of Sri Aman that cannot walk-in to the bookstore due to the work commitment and schooling as well as it save more time. Besides that, the staff at R.B Ahmad key in the records of ordering system manually using paper-based which is not effective enough as we live in era technology.

Therefore, the solution that we can make from the situation occur is we need to implement/develop web-based system that facilitates the purchase and management of bookstores. In the developed web-based system, it can make it easier for people to buy books through online without having to

walk-in to the bookstore and it save more time as well as user did not have to deal with the crowd in the bookstore. Furthermore, through this web-based system it also give benefit to staff at R.B Ahmad Bookshop to record their data.

Lastly, for each project to be developed, there will be one method used to achieve the objective of the project that will accomplish a perfect result. The methodology used in this project is Rapid Application Development (RAD).

## **1.2 Problem Statement**

R.B Ahmad Bookshop doesn't have any system and they are currently using a direct selling which is customer will came to the shop and purchase the books. Then, these problem lead to the customer complaint when they unable purchasing/ordering book due to the crowd at the shop and customer request to the R.B Ahmad to develop a web-based system so that customer can order/purchase book through online also. It is easier to them that cannot walk-in to the shop due to work commitment and schooling as well as it save more time. Moreover, the staff at R.B Ahmad key in the records of ordering/purchasing book manually using a paper-based. Manually method takes time and the document might missing or misplace that difficult to the staff to make reference of customer purchasing/ordering book.

### **1.3 Objectives**

The development of this project will bring benefits to user such as facilitate user to purchasing book through online. Then, it is important to achieve the goal of objective to make the project ups and success. These are the following of the objectives:

1. To gather the requirement of data information regarding bookstore.
2. To develop Bookstore Management System for R.B Ahmad Bookshop.
3. To generate the monthly sale record.
4. To testing out the system

### **1.4 Scope**

The project that will be developed need scope that divide into two which is system scope and user scope that will be explain more detail about the project and target user.

i) System Scope

This project will use the software to implement the web-based system such as MYSQL, PHP language programming. HTML and XAMPP.

ii) User Scope

This project Bookstore Management System targeted user towards the staff at the R.B Ahmad Bookshop and residents of Sri Aman, Sarawak. This project only focus in purchasing/ordering book through internet. After customer purchase a book, delivery will be made by the staff of the Bookshop itself.

## 1.5 Brief Methodology

Methodology can be described as methods used by researchers or developer of a project to carry out their research or project. Methodology is very important as it will guide the developers or researchers along their way on conducting their project or research. The methodology that will be used for this web-based system is Rapid Application Development (RAD). Rapid Application Development (RAD) is described as an approach is fast project turnaround, making it an attractive choice for developer as well as focus on minimizing the planning stage and maximizing prototype development. By using this methodology, the user can get actual feel of the system, since the interaction with the prototype can enable users to better understand the requirement of the desired system. RAD methodology consists of four main phases:

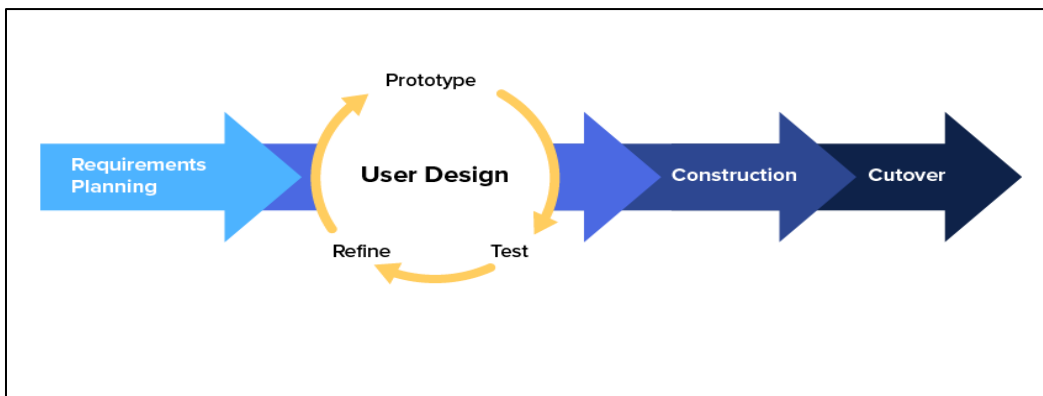


Figure 1.1 RAD methodology

### 1.5.1 Requirement Planning

This is the phase which focuses on how the project will be prepared. In this phase, all possible requirement of the system to be developed are captured and documented in a requirement document. All the information regarding procedure of ordering/purchasing book in R.B Ahmad Bookshop is collected. Moreover, make an interview and distributed survey to R.B Ahmad Bookshop staff and resident of Sri Aman, Sarawak to get more information.

### 1.5.2 User Design

Design is the process of finding and understanding the requirement analysis and all kind of the aspect required in this system will be analysed to ensure that requirement are made. To study the design and functionality of the system, research on the existing system will be conduct. After layout of user interface is being finalized, it will be reviewed by the user either it can be accepted and full fill with their requirement. This phase will be explained more in Chapter 3.

### 1.5.3 Construction

The code is implement to develop the interface and function to the system according to the design and information that have been approved. The users can interact at this phase and give input on the changes they would like to see even during the system development. This phase will be explained more in Chapter 4.

#### 1.5.4 Cutover

This is the final phase, all the error handling should undergo testing to ensure all the user needs is being achieved. In this phase, will include data conversion, testing and implementation of chosen system. The final documentation will be created and do changes for the project improvement. This phase will be explained more in Chapter 4.

### **1.6 Significance of Project**

The Bookstore Management System also have their own project significant towards the targeted user that will give a positive impact which is user can save more time rather than going to the bookstore or vendor itself. Furthermore, this project that used web-based system can ease the user to ordering/purchasing book through online just by using computer or mobile phone. It also ease the staff at the bookshop to records their customer ordering/purchasing book using the web-based system.