E-MANAGEMENT FOR DRUGSTORE PHARMACY

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SUPERVISOR’S DECLARATION

I/We* hereby declare that I/We* have checked this thesis/project* and in my/our* opinion, this thesis/project* is adequate in terms of scope and quality for the award of the degree of *Doctor of Philosophy/ Master of Engineering/ Master of Science in ......................................

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(Supervisor’s Signature)
Full Name : 
Position : 
Date : 

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Position : 
Date : 
STUDENT’S DECLARATION

I hereby declare that the work in this thesis is based on my original work except for quotations and citations which have been duly acknowledged. I also declare that it has not been previously or concurrently submitted for any other degree at Universiti Malaysia Pahang or any other institutions.

__________________________________________

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E-MANAGEMENT FOR DRUGSTORE PHARMACY

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All praise to the Almighty ALLAH S.W.T for His blessing which has given me spirit, strength, patience and ability during developing my final year project. Sincere thanks to God for giving me opportunity to do every single task and complete this project on time.

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Lastly, I would like to extend my gratefulness to other person who directly or indirectly involved in my final year project.
ABSTRAK

E-Management for Drugstore Pharmacy adalah sistem berkomputer yang direka untuk pengguna menguruskan stok inventori ubat-ubatan dan mengawasi kemudahan stok. Sistem ini berfungsi seperti sistem inventori stok yang menyediakan amaran ubat-ubatan yang sudah luput dan jumlah minimum setiap ubat.

Analisis mengenai sistem semasa dan teknik mencari dilakukan untuk mendapatkan pemahaman yang lebih baik mengenai sistem. Metodologi RAD yang digunakan dalam pembangunan projek ini melaksanakan pembangunan berulang yang sesuai untuk keperluan sistem ini yang berubah dari semasa ke semasa.

Ujian dilakukan setiap fasa kitaran hayat pembangunan untuk memastikan sistem berfungsi dengan baik. Projek ini dibangunkan menggunakan Visual Studio 2010 dan SQL server sebagai platform pangkalan data.
ABSTRACT

E-Management for Drugstore Pharmacy is a computerized system designed for user to manage the stock of the drugs inventory and monitoring the stock facility. This system is acting like stock inventory system that provides alert of expire drugs and minimum quantity of each drugs.

Analysis on the current system and searching technique was done to get better understanding of the system. The RAD methodology was used in this project development implements iterative development which is suitable for this system requirements that changes from time to time.

Testing is done every phase of the development life cycle to make sure that the system working properly. This project was developed using Visual Studio 2010 and SQL server as a database platform.
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<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
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<tbody>
<tr>
<td>RAD</td>
<td>Rapid Application Development</td>
</tr>
<tr>
<td>SRS</td>
<td>Software Requirements Specification</td>
</tr>
<tr>
<td>UI</td>
<td>User Interface</td>
</tr>
<tr>
<td>SDD</td>
<td>Software Design Document</td>
</tr>
<tr>
<td>HMS</td>
<td>Hospital Management System</td>
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### LIST OF ABBREVIATIONS

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Full Form</th>
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<tbody>
<tr>
<td>RAD</td>
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<td>ERD</td>
<td>Entity Relationship Diagram</td>
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CHAPTER 1

INTRODUCTION

1.1 INTRODUCTION

The project named "E-Management for Drugstore Pharmacy", a Restorative Data system is a client/server based application. There are still in the minimum circumstance of drug store shop that utilizing the stock inventory system in over the world. Centering in Malaysia as a contextual investigation, the drug specialist itself did not understand the significance and benefits utilizing this system, however, more depends on the manual system simply. So when the new medications or new clumps of the drug arrive in the Drugstore the manual section is done in enroll.

What's more, this additionally took after when the medication is given to any patients. At the point when the month is finished the specialist in the Drugstore need to create the rundown or report physically of the medications in the Drugstore. This work is done to keep up require stock in the Drugstore. This sort of work may prompt slip-up by specialists and prompt real issues. The whole drug specialist must keep an exact tally of their drugs stock inventory. Thusly, it is basic to know the subtle elements of every medication and the stock equalization must be quickly updated because of any endorsed transaction.
1.2 PROBLEM STATEMENT

Drugstore administration has kept the paper record in filling cupboards. Dealing with an extensive drug store will be repetitive and hard to monitor inventories concerning the medications in the store, expiry date, amount of medications accessible in light of the classifications and their functions. Accordingly, stock-outs, overloads, and obsolete materials and their related expenses were a consistent problem.

Previously, if the drugstore office needed to know the lapsed date of the specific medications the drug specialist itself must go and keep an eye on the paper, so this is taking a ton of time. There is as yet least amount of system that ready to give a reminder message or update for the lapsed date for each medication in the stock. With drugstore pharmacy system, we approached continuous and exact information.

What's more, the drug specialist needs to arrange medications to restock the officially decreasing stock. Requesting of medications is been completed manually. A critical measure of time allotted for composing the requests as the drug specialist needs to experience the stock equalization and make an unpleasant gauge of the amount to order. This drug store administration system will incite about medications that are near expiry, keeping those medications from being sold and furthermore giving solution for the prior expressed issues.

1.3 OBJECTIVE

The objectives of this project are to:

i. To design drugstore pharmacy system using structured approach
ii. To develop a prototype of drugstore pharmacy
iii. To validate the prototype system of drugstore pharmacy
1.4 **SCOPE**

i. **System Functionality**
   - This system will give convenient to system user on managing related information regarding drug information

ii. **System User**
   - Drugstore Admin
     - The system user must have certified qualification and have the authorities to use the system.
   - Pharmacist
     - The system user should be registered by admin first to manage the system data

iii. **System Architecture & Platform**
   - The system created in a Windows environment
   - The system is using SQL server service to store data

1.5 **THESIS ORGANIZATION**

This thesis is divided into 5 chapters and each chapter is divided to discuss the different issue in the project. Below are the summaries for all chapter in this thesis:

Chapter 1 is the introduction. This chapter will discuss an introduction to the system. The problem statement, objective and scope will be identified.

Chapter 2 is about literature review. Here, 4 existing system has been compared and the advantages and disadvantages of current system is identified.

Chapter 3 will discuss about methodology that will be used to develop this system. The flow of this system also will be discuss in this chapter.
REFERENCES


