

LIA SURI ONLINE SYSTEM

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Bachelor of Software Engineering

UNIVERSITI MALAYSIA PAHANG



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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ABSTRACT

Online shopping is an application which allow customer to purchasing directly Lia Suri enterprise's products over the internet by using a web browser. In this era, time is the most crucial thing in life. In my observation, I found that some people in this world did not have time to purchase their needs. As the result, majority of customer choose to make purchase by online. Lia Suri Online System is an online management which will change from manual or electronic fund to online payment. The purpose of this study are to provide alternative way for the customer to purchase Lia Suri's product which is by online shopping, to study Lia Suri online system from manual to computerize and then evaluate the proposed prototype system in web based. This system also let Lia Suri's enterprise as an administrator of the system to monitor and update on the product and also generating the report. The appropriated of method was applied to develop this system. The methodology that have been proposed for this system is Rapid Application Development (RAD) because this methodology can develop the system faster and produces higher quality at the same time. RAD consists of four phases, which are Requirements Planning, User Design, Construction, and Cutover. After development is done, User Acceptance Test (UAT) is being process, where actual customers test the software to make sure it can handle required tasks in real-world scenarios according to its specifications stated.

ABSTRAK

Berbelanja secara di talian merupakan sebuah aplikasi bagi memudahkan para pelanggan untuk membeli produk dari syarikat Lia Suri dengan menggunakan internet dengan cara mengakses melalui laman web. Pada masa kini, masa ialah sesuatu yang penting di dalam seharian hidup kita. Melalui pemerhatian saya, saya dapati bahawa segelintir manusia di dunia ini tidak mempunyai masa untuk mereka pegi membeli barang di kedai-kedai. Hasil dari pemerhatian itu, majoriti dari kalangan manusia memiih untuk melakukan transaksii secara di talian. Lia Suri Online System ialah salah satu cara yang mana menukar proses pembelian barang secara di talian. Objektif dari penyelidikan ini adalah untuk memberi satu cara baru bagi pembeli untuk mendapatkan produk dari syarikat Lia Suri, untuk mengkaji sistem online Lia Suri dari manual kepada pengkomputeran dan menilai sistem prototaip yang telah diusulkan di dalam konsep secara di laman wen. Selain itu, sistem ini juga memberikan akses kepada pentadbir untuk mengawal dan memantau sistem dan mengemas kini produk serta menjana laporan penjualan produk Lia Suri. Metodologi yang dipilih untuk menjalan sistem ini ialah Rapid Application Development (RAD). Ia ialah kerana metodologi ini mampu untuk membangunkan sistem secara pantas dan menghasilkan kualiti dalam masa yang sama. RAD terbahagi kepada tiga bahagian iaitu Perancangan Keperluan, Reka Bentuk Pengguna, Pembinaan, dan Penggunaaan. Selepas pembangunan selesai, User Acceptance Test (UAT) dilakukan, di mana pengguna perisian sebenar menguji sistem untuk memastikan ia dapat menangani tugas-tugas yang diperlukan dalam senario dunia sebenar mengikut spesifikasi yang ditetapkan.

TABLE OF CONTENT

DECLARATION

TITLE PAGE

TABLE OF CONTENT 5

LIST OF TABLES 7

LIST OF FIGURES 8

LIST OF ABBREVIATIONS 9

CHAPTER 1 INTRODUCTION

1.1	Background study	10-11
1.2	Problem statement	11
1.3	Objective	11
1.4	Scope	11-14
1.5	Thesis organization	14

CHAPTER 2 LITERATURE REVIEW

2.1	Review Of Existing Ecommerce System In Malaysia	15-16
2.1.1	CalaQisya	16-20
2.1.2	Mudah.my	21-23
2.1.3	Shopee	23-27
2.2	Comparison with existig system	27-28
2.3	Conclusion	28

CHAPTER 3 METHODOLOGY

3.1	Introduction	29
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3.2	Rapid Application development(RAD) in Lia Suri ecommerce system	30
3.2.1	Requirement Planning Phase	30-33
3.2.2	System Design Phase	33-35
3.2.3	Development Phase	35-36
3.2.4	Cutover Phase	36
3.3	Hardware and Software	36
3.3.1	Hardware Requirement	36
3.3.2	Software Requirement	37

CHAPTER 4 IMPLEMENTATION, TESTING AND RESULT DISCUSSION

4.1	Introduction	40
4.2	Implementation	40-56
4.2.1	Development Enviroment	41-47
4.2.2	System Functionality	47-56
4.2	Testing and Result Discussion	56-57

CHAPTER 5 CONCLUSION AND FUTURE WORK

4.1	Introduction	58
4.2	Research Constraint	59-60
4.2.1	Development Constraint	59
4.2.2	System Constraint	60
4.2	Future Work	60

REFERENCE 61

APPENDIX A GANTT CHART 62-64

APPENDIX B SRS 64-89

APPENDIX C SDD	90-111
APPENDIX D UAT	112-122
APPENDIX E USER MANUAL	123-141

LIST OF TABLES

Table 1.1	hardware requirement used for developing the system	12
Table 1.2	software requirement used for developing the system	13-14
Table 2.1	Weakness and Strength of CalaQisya ecommerce System	16
Table 2.2	Weakness and Strength of Mudah.my ecommerce System	21
Table 2.3	Weakness and Strength of Shopee ecommerce System	24
Table 2.4	Pros and cons Existing System	27-28
Table 3.1	hardware requirement used for developing the system	36
Table 3.2	software requirement used for developing the system	37
Table 4.1	Advantages and disadvantages of LiaSuri Online System	55

LIST OF FIGURES

Figure 1.1	main page of Lazada	18
Figure 1.2	view item	18
Figure 2.1	detail information of the product	19
Figure 2.2	item purchase in the cart	19
Figure 2.3	user must have account to continue purchasing the payment	20
Figure 2.4	creating a new account	20
Figure 2.5	display the detail of the shipping checkout	21
Figure 2.6	continue with choosing type of payment	21
Figure 2.7	main page of mudah.my	22
Figure 2.8	displaying the product been sold or rent	22
Figure 2.9	detail information of the product	23
Figure 2.10	main page of shopee	24
Figure 2.11	displaying product	25
Figure 2.12	detail information of product	25
Figure 2.13	product been added to cart	26
Figure 2.14	place order of product	26
Figure 2.15	type of payment offered	27
Figure 3.1	shows the RAD process	30
Figure 3.5	contex diagram	33
Figure 3.6	use case diagram	33
Figure 3.7	application layer	34
Figure 3.8	bussiness layer	35
Figure 3.9	middleware layer	35
Figure 4.1	XAMPP Control Panel	41
Figure 4.2	PhpMyAdmin working environment	42

Figure 4.3	Database Query of LSOS Example	43
Figure 4.4	Sublime Environment Interface	44
Figure 4.5	PHP code	45
Figure 4.6	HTML code for LiaSuri Online System	46
Figure 4.7	CSS code for LiaSuri Online System	47
Figure 4.8	Home Page of LSOS	48
Figure 4.9(i)	Login Page of LSOS	48
Figure 4.9(ii)	Login Page of LSOS	49
Figure 4.10	Register page of LSOS	49
Figure 4.11	Browse Product for customer of LSOS	50
Figure 4.12	Product details of LSOS	50
Figure 4.13	Add to cart of LSOS	51
Figure 4.14	Contact of LSOS	51
Figure 4.15	Manage Payment of LSOS	52
Figure 4.16	payment process in LSOS	52
Figure 4. 17	Customer account profile of LSOS	53
Figure 4.18	Admin page of LSOS	53
Figure 4.19	Manage stock of LSOS	54
Figure 4.20	manage product of LSOS	54
Figure 4.21	generate sales report of LSOS	55
Figure 5.1	HTTPD config file	59

LIST OF ABBREVIATIONS

LSES LIA SURI ECOMMERCE SYSTEM

RAD RAPID APPLICATION DEVELOPMENT

SRS SOFTWARE REQUIREMENT SYSTEM

SDD SOFTWARE DESIGN DOCUMENT

UAT USER ACCEPTANCE TESTING

PHP PHP HYPERTEXT PREPROCESSOR

SDLC SOFTWARE DEVELOPMENT

HTML HYPERTEXT MARKUP LANGUAGE

CSS CASCADING STYLE SHEETS

CHAPTER 1

INTRODUCTION

1.1 BACKGROUND STUDY

Online shopping is an application which allow customer to purchasing directly product from various seller over the internet by using a web browser or mobile phone. In this era, time is the most crucial thing in life. In my observation, I found that some people in this world did not have time to purchase their needs. As the result, majority of customer choose to make purchase by online. There are two method of market in online shopping which are business to business (B2B) and business to consumer (B2C).

Lia Suri online system most likely same with other online shopping system such as Lazada, 11street and so on. The speciality of this Lia Suri online shopping system is we sell our own product of our own manufacture factory.

Lia Suri company is located at lot 1436, pusat pengumpulan, penggredan, dan pemasaran produk iks sg aceh, 14310, Nibong Tebal, Pulau Pinang. It was operated starting on 05 May 2005 and madam Norlia bt Jaapar is the founder of this company. Therefore, Lia Suri online system proposes to be developed as alternative way for the customers to make payment via online. There will be four types of actors involves for this system which are administrator, customer or buyer, and clerk. Every roles will have their own limitation access to the system. The purpose of Lia Suri online System is to

easier customers to purchase the product by online. So, it will reduce time of the transactions and cost and helps the company management in order to manage the product payment.

1.2 PROBLEM STATEMENT

There are several issues regarding on the appearing of web based system for the Lia Suri online system. Based on my observation, one of the problem is not convenience. The factory is not available on 24 hours so it will be limited time for the customer to buy and order it. In the past, the open hours only from 8 am to 6 pm which is same like the office hours. So, it will be difficult for the customer like buyers and supplier to purchase and order from the manufacturer.

Other than that, purchasing directly to the store or through the company itself will be issue on time consuming. It is because customer need to wait in queue while waiting others customer finish their purchase. Moreover, it also cost the petrol and human energy on just to go to the store to purchase the product. Since the issue arise, there will be problem on the quality of service and the product itself.

Next, Lia Suri online system is a new invention of manufacture product to people that do not know and concern about the absence of this product. The product is not widely exposed to the customer's parameters. It will affect the income of the company itself.

1.3 OBJECTIVE

The objective of this project are:

- i. To study the requirement of Lia Suri online system from manual process to computerize.
- ii. To develop a system in online shopping system.
- iii. To evaluate the proposed prototype system in web based.

1.4 SCOPE

The scope of this system are:

- i. System Functionality

- The functionality of Lia Suri online system are provide user with the online shopping management. For customers, they can order and purchase product from the website. Not only that, customers also can make an online banking to purchase the product.

ii. Client

- Client for this system are administrator, clerk and customer of Lia Suri Company.

iii. System User

1. Clerk at Lia Suri Company

- capable to generate report for customer transaction.
- capable to manage customer payment and generate report of payment.
- capable in order to see previous payment.

2. Administrator at Lia Suri Company

- In control to manage customer account which are add info, update info and delete info
- capable to view overall report of transaction.
- Able to update stock of the product.

3. Customer of Lia Suri Company

- Able to view and manage own account.
- Able to make payment for product purchasing.

4. Hardware And Software

- Hardware Requirement

Table 1.1 shows the hardware requirement that been in developing the system.

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