

REQUIREMENT MODEL FOR PURCHASE ORDER MANAGEMENT
SYSTEM

A CASE STUDY IN HAN CHIANG HIGH SCHOOL

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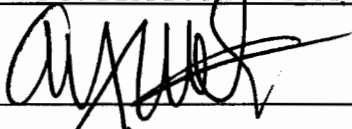
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A CASE STUDY IN HAN CHIANG HIGH SCHOOL**

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ABSTRAK

Kajian kes ini hanya tertumpu kepada aktiviti pembelian yang akan dijalankan di Sekolah Menengah Han Chiang. Model Keperluan untuk System Pengurusan Pembelian akan dibangunkan untuk membantu organisasi menangani semua masalah yang berkaitan dengan isu pembelian. Ianya dipilih kerana sistem pengurusan pembelian yang sedia ada adalah tidak teratur dan terurus. Pembanguan model ini diharap dapat membantu pembangun sistem memahami kesemua prosedur pembelian yang sedang digunapakai oleh organisasi ini. Oleh sebab itu, kajian ini akan membina Model Keperluan untuk Sistem Pengurusan Pembelian. Model Keperluan ini akan dibangunkan menggunakan *Unified Modeling Language*. Pengesahan Model Keperluan ini akan dijalankan melalui teknik *test script* dan sampel prototaip. Oleh yang demikian, kajian kes ini akan dapat digunakan oleh organisasi yang mempunyai isu-isu pembelian yang sama untuk membangunkan Sistem Pengurusan Pembelian.

ABSTRACT

This case study focuses on the purchasing activities which are conducted in Han Chiang High School. A requirement model will be constructed to help the organization to overcome all purchasing related issues in a more effective way. Han Chiang High School is chosen as a case study because of their current purchasing procedure and activities is very much unmanaged. It is hope that the constructed requirement model will be able to improve the purchasing activities by helping system developer to understand all procedures and concepts adopted by the school. So, this study will use Requirement Model for Purchase Order Management System as a basis to develop the Purchase Order Management System. Unified Modeling Language is used in order to develop the requirement model. The constructed requirement model will be then validated through test script technique and a sample prototype. In short, this study will be able to provide a better solution for all organization that has the same purchasing procedure and activities.

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TABLE OF CONTENTS

ABSTRAK	i
ABSTRACT	ii
ACKNOWLEDGEMENTS	iii
TABLE OF CONTENTS	iv
LIST OF TABLES	ix
LIST OF FIGURES	x
LIST OF ABBREVIATIONS	xi
LIST OF APPENDICES	xii

CHAPTER ONE BACKGROUND OF STUDY

1.1	Problem Statement.....	3
1.2	Research Question.....	5
1.3	Research Objectives.....	5
1.4	Significance of research.....	5
1.5	Scope and limitation of the research.....	6
1.6	Expected output.....	7
1.7	Summary.....	7

CHAPTER TWO LITERATURE REVIEW

2.1	Requirement.....	8
2.1.1	Functional requirement.....	9
2.1.2	Non-functional requirement.....	10
2.2	Use case.....	12
2.3	Requirement model.....	13
2.4	Unified Modeling Language.....	16

2.5	System modeling.....	17
2.6	Purchasing.....	17
2.7	Purchasing system.....	18
2.8	Purchase Order Management System.....	19
2.9	Other related research.....	19
2.9.1	ICS Accounting System.....	19
2.9.2	Customer Relationship Management System.....	20
2.10	Summary.....	20

CHAPTER THREE RESEARCH METHODOLOGY

3.1	Phase I: Define Requirements.....	22
3.1.1	Questionnaires.....	22
3.1.2	Document Sampling.....	23
3.1.3	Interview.....	23
3.2	Phase II: Analyze Requirement.....	23
3.2.1	System requirement.....	24
3.2.1.1	User requirements.....	24
3.2.1.2	Functional requirement.....	24
3.2.1.3	Non-functional requirement.....	25
3.2.1.4	Prototype.....	25
3.2.2	Requirement Model construction.....	25
3.2.2.1	Use Case diagram.....	26
3.2.2.2	Class diagram.....	26
3.2.2.3	Activity diagram.....	26
3.2.2.4	Interaction diagram.....	27
3.3	Phase III: Requirement model validation.....	28
3.3.1	Test script technique.....	28
3.3.2	Prototype.....	28
3.4	Summary.....	28

CHAPTER FOUR RESULTS AND FINDINGS

4.1	Analyze requirement.....	29
4.1.1	Current HCC purchasing procedure.....	29
4.1.2	Requirement list.....	31
4.1.3	UML diagram.....	33
4.1.4	Actors.....	34
4.2	Constructed requirement model.....	36
4.2.1	Use Case diagram.....	36
4.2.2	Class diagram.....	36
4.2.3	Activity diagram.....	38
4.2.4	Sequence diagram.....	39
4.2.5	Collaboration diagram.....	40
4.3	Summary.....	40

CHAPTER FIVE REQUIREMENT MODEL VALIDATION

5.1	Validated requirement model.....	41
5.1.1	Test script technique.....	41
5.1.1.1	Test script technique for administration and academic staff.....	42
5.1.1.2	Test script technique for administrator.....	42
5.1.2	Prototype.....	49
5.2	Summary.....	53

CHAPTER SIX CONCLUSION AND RECOMMENDATION

6.1	Conclusion.....	55
6.2	Limitation.....	57
6.3	Recommendations.....	57
6.4	Significance and contributions.....	58

REFERENCES.....59

LIST OF TABLES

Table	Description	Page no.
1	Standard Use Case template	13
2	Collaboration diagram	27
3	Functional requirements	31
4	Non-functional requirements	33
5	UML diagram list	35
6	POMS functional requirement validation	42
7	Test script for administration and academic staff	42
8	Test script for administrator	44
9	Summarize table	56

LIST OF FIGURES

Figure	Description	Page no.
1	UML diagram	2
2	HCC purchasing procedure	3
3	Requirement model analysis phase	21
4	HCC purchasing flow	30
5	POMS Use case diagram	36
6	POMS Class diagram	37
7	POMS Activity diagram	38
8	POMS Sequence diagram	39
9	POMS Collaboration diagram	40
10	POMS functional requirement validation	42
11	Login interface	50
12	Main menu and purchase order interface	50
13	Manage purchase interface	51
14	Manage user interface	51
15	Manage vendor interface	52
16	Manage category interface	52
17	Budget statement interface	52

LIST OF ABBREVIATIONS

HCC	Han Chiang High School
ODBC	Open Database Connectivity
POMS	Purchase Order Management System
UML	Unified Modeling Language

LIST OF APPENDICES

Appendix	Description	Page no.
Appendix A	Interview questions	64
Appendix B	Documents sampling	66
Appendix C	Use case specifications	68
Appendix D	Requirement lists	89
Appendix E	Activity Diagram	93
Appendix F	Sequence Diagram	102
Appendix G	Collaboration diagram	125
Appendix H	Prototype script	140
Appendix I	Test script	195

CHAPTER 1

BACKGROUND OF STUDY

This project is to analyse and create a requirement model for a purchase order management system which is based on the staff of Han Chiang high school requirements. The reason Han Chiang high school (HCC) is chosen as a case study for this research is that currently the school is lacking of management when it comes to purchasing matters. At the moment, all purchasing is done individually, which means that any staff can fill up the purchasing form to purchase any school related inventories. So, issues such as redundancy will occur and sometimes important inventories are not bought due to lost of the purchasing form. The main objective for the development of this requirement model is to ensure that all teachers in the school are equipped with all the necessary teaching materials so that they can deliver the teaching to the students without any issues.

A requirement is a description of what a system can or able to do. In general, it also can be referred as a functional requirement. Functional requirement specifies whatever tasks or duties that the delivered system must be able to perform. Whereas a non-functional requirements, is a different type of requirement that specifies tasks or duties about the system itself, and how well it performs its functions. For examples, usability, availability, reliability, supportability, testability, maintainability, and ease-of-use is all considered as a non-functional requirements.

Requirements model is an important part of understanding complexity, risk, project scope and in un-ambiguously defining the goals and criteria before moving to development phase. With Unified Modeling Language (UML), simple or complex requirements from each requirement right through to the final deliverables and system behaviour can be develop.

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