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Saya MIMI NORHANA BINTI SIDIK

(HURUF BESAR)

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(TANDATANGAN PENULIS)



(TANDATANGAN PENYELIA)

Alamat tetap: No X222, Lorong Hj Samsuddin,

Pn Wahidah Bte. Md Shah

Batu 2 ½ Jln Apas, 91009 Tawau, Sabah.

Nama Penyelia

Tarikh: 22 NOVEMBER 2005

Tarikh: 22 NOVEMBER 2005

CATATAN: ** Jika tesis ini SULIT atau TERHAD, sila lampirkan surat daripada pihak berkuasa.

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STICKY MEMOS APPLICATION TOOL

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Sticky memos application tool / Mimi Norhana Sidik.

MIMI NORHANA BINTI SIDIK

**This report is submitted in partial fulfillment of the requirements for the
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**FACULTY OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
KOLEJ UNIVERSITI TEKNIKAL KEBANGSAAN MALAYSIA**

2004

DECLARATION

I hereby declare that this project report entitled
DESIGN AND DEVELOP STICKY MEMOS APPLICATION TOOL

is written by me and is my own effort and that no part has been plagiarized without
citations.

STUDENT :  _____ Date: 22 NOVEMBER 2005
(MIMI NORHANA BINTI SIDIK)

SUPERVISOR:  _____ Date: 22 NOVEMBER 2005
(PN. WAHIDAH MD SHAH)

DEDICATION

Especially goes to my beloved parents, my siblings, and my best friend.

ACKNOWLEDGEMENTS

I wish to thank all the people related to my PSM project, who contributed to the development of my work. With all the learning and help that I have got, I manage to produce this valuable report to be presenting to my supervisor, Pn Wahidah.

I especially thank my supervisor from KUTKM, Pn Wahidah, who was responsible for guiding me through the whole PSM1 project period. Thanks to everyone either formal or informal involved with me during my PSM1 project. With their encouragement and support, I manage to via this practical training with confident. This report will be as the asset for me from them because without everyone help I cannot finish this PSM1 successfully.

My special thanks go to my beloved parents who have been giving me the support and motivation throughout my project. Without their permission I will never manage to stay here to continue my study for PSM1 during the three month universities holiday.

Lastly, I hope my PSM project report will be accept by supervisor and contains all the needed specification mentioned. Thank you very much.

ABSTRACT

Overall, the ‘Sticky Memos Application Tool’ project has been successfully designed according to the provided schedule. It took two months to finish the Projek Sarjana Muda 1 and five months to finish Projek Sarjana Muda 2. During the designing of this application, many problems occurred. Among the problems are such as the difficulties to understand the software designing diagram and the during the Literature Review session. The main purpose or objective of this project is to enhance the usage of memo pad to a better function. This mean that the memo can be written on a special memo pad and it will be placed or saved on the desktop. It is to use the paperless approach. Besides manage to save budget on buying memo pad, user also can save their energy without have to approach their opponents just to remind them something. The methodology used in this project is based on the investigation of many existing methodology approach. There are five approaches which are define, design, implement, test and refine. Each stage has been described in details. The result of this project is so provoke. The project proposal manages to explain all the requirements and the prototype of the project. Features of this project have been explained and through diagrams and figures, the descriptions become more understandable. As the conclusion, this project has been successfully designed according to the time given and fulfills the given schedule. It is hoped that this application can be develop successfully and can be use in the LAN area of KUTKM in the future.

ABSTRAK

Secara keseluruhannya, projek '*Sticky Memos Application Tool*' ini telah berjaya dibangunkan berdasarkan jadual yang telah ditetapkan. Ia mengambil masa selama dua bulan untuk menyiapkan PSM 1 dan lima bulan untuk menyiapkan Projek Sarjana Muda 2. Semasa merekabentuk aplikasi ini terdapat pelbagai masalah yang dihadapi. Di antara masalah-masalah yang timbul ialah kesukaran untuk memahami carta atau gambarajah yang menerangkan tentang aplikasi aliran atau rekabentuk ini dan kekurangan pemahaman semasa membuat 'Literature Review'. Tujuan utama projek ini adalah sebagai menggantikan penggunaan kertas memo secara manual kepada penggunaan secara digital. Ini bermaksud memo boleh ditulis pada satu kotak memo yang disediakan khas dan akan disimpan pada *desktop*. Ia untuk mengelakkan penggunaan kertas yang berlambak terlekat pada papan memo atau pada skrin komputer. Selain dapat mengurangkan belanja pembelian kertas memo, pengguna juga dapat menjimatkan tenaga untuk memberitahu atau memperingatkan rakan sekerja atau sesiapa sahaja yang berada di kawasan LAN yang sama tanpa perlu berjumpa dengan mereka. Metodologi yang digunakan adalah tidak fokus kepada satu metodologi yang sedia ada. Ia merupakan hasil daripada kajian ke atas beberapa metodologi yg sedia ada. Metodologi yg digunakan untuk projek ini mengandungi lima fasa iaitu kenalpasti, rekabentuk, implementasi, uji and baikpulih. Setiap peringkat telah diterangkan dengan lebih jelas. Keputusan daripada projek yang dihasilkan amat memberangsangkan. Projek tersebut dapat menerangkan semua keperluan dan prototaip projek ini. Ciri-ciri projek ini juga diterangkan melalui gambarajah di mana penerangannya lebih mudah difahami. Sebagai kesimpulannya, projek ini telah berjaya dibangunkan berdasarkan masa yang ditetapkan. Ia diharapkan dapat digunakan dengan sebaik mungkin di kawasan LAN KUTKM pada masa hadapan.

TABLE OF CONTENTS

CHAPTER	SUBJECT	PAGE
	DECLARATION	ii
	DEDICATION	iii
	ACKNOWLEDGEMENTS	iv
	ABSTRACT	v
	ABSTRAK	vi
	TABLE OF CONTENTS	vii
	LIST OF TABLES	xi
	LIST OF FIGURES	xiii
	LIST OF APPENDICES	xv
CHAPTER 1	INTRODUCTION	
	1.1 Project Background	1
	1.2 Problem Statements	2
	1.3 Objective	3
	1.4 Scopes	4
	1.5 Project Significance	6
	1.6 Conclusion	6
CHAPTER II	LITERATURE REVIEW AND PROJECT METHODOLOGY	
	2.1 Introduction	8

2.2	Fact and Finding	9
2.2.1	Case Study of the Advantages of Using Sticky Memos Application Tool.	9
2.2.1.1	Case 1: Sticky memos are better or worst.	9
2.2.1.2	Case 2: Sticky memos help in organize scrappy notes	10
2.2.1.3	Case 3: Sticky memos are easy to use	10
2.2.2	Research on Note-It Software	11
2.2.3	Research on MyAssist 1.2 Software	13
2.2.4	The Development of Sticky Memos Application Tool.	15
2.3	Project Methodology	17
2.3.1	Define Phase	18
2.3.2	Design Phase	19
2.3.3	Implement Phase	20
2.3.4	Test Phase	20
2.3.5	Refine Phase	23
2.4	Project Requirement	23
2.4.1	Software Requirement	23
2.4.2	Hardware Requirement	26
2.4.3	Other Requirements	27
2.5	Project Schedule and Milestones	27
2.6	Conclusion	31
 CHAPTER III ANALYSIS		
3.1	Introduction	32
3.2	Problem Analysis	32
3.2.1	Problem Statements	37

3.3	Requirement Analysis	38
3.3.1	Functional Requirements	38
3.3.2	Software requirements	43
3.3.3	Hardware requirements	44
3.3.4	Network requirements	44
3.4	Conclusion	45

CHAPTER IV DESIGN

4.1	Introduction	46
4.2	High-Level Design	47
4.2.1	Raw Input/ Data	47
4.2.2	System Architecture	48
4.2.3	User Interface Design	54
4.2.3.1	Navigation Design	59
4.2.3.2	Input Design	64
4.2.3.3	Output Design	66
4.2.4	Database Design	68
4.2.4.1	Logical Database Design	68
4.3	Detailed Design	71
4.3.1	Software Specification	72
4.3.2	Physical Database Design	78
4.4	Conclusion	80

CHAPTER V IMPLEMENTATION

5.1	Introduction	81
5.2	Software Development Environment setup	81
5.3	Software Configuration Management	83
5.3.1	Configuration environment setup	83
5.3.2	Version Control Procedure	84
5.4	Implementation Status	85

5.5	Conclusion	88
CHAPTER VI TESTING		
6.1	Introduction	89
6.2	Test Plan	90
	6.2.1 Test Organization	90
	6.2.2 Test Environment	91
	6.2.3 Test Schedule	91
6.3	Test Strategy	92
	6.3.1 Classes of tests.	92
6.4	Test Design	93
	6.4.1 Test Description	94
	6.4.2 Test Data	95
6.5	Test Results and Analysis	97
	6.5.1 Result and Analysis Elaboration	105
6.6	Conclusion	105
CHAPTER VII PROJECT CONCLUSION		
7.1	Observation on Weaknesses and Strengths	106
7.2	Propositions for Improvement	108
7.3	Contribution	108
7.4	Conclusion	109
	REFERENCES	110
	BIBLIOGRAPHY	112
	APPENDICES	114

LIST OF TABLES

TABLE	TITLE	PAGE
2.1	Task done in Define stage	18
2.2	Task done in Design stage	19
2.3	List of Hardware Requirements	27
3.1	Investigation Results	33
3.2	List of Software Requirements	43
3.3	List of Hardware Requirements	44
3.4	List of Network Requirements	44
4.1	Raw Data	47
4.2	Input Specifications for To-Do List Interface	65
4.3	Input Specifications for Sticky Memo Interface	65
4.4	Input Specifications for Send Memo via IP address Interface	65
4.5	Input Specifications for Special Dates Interface	65
4.6	Input Specifications for Contact Interface	65
4.7	Input Specifications for Personal Details Interface	66
4.8	Output Specifications for To-Do List Interface	66
4.9	Output Specifications for Sticky Memo Interface	66
4.10	Output Specifications for Send Memo Interface	67
4.11	Output Specifications for Important Dates Interface	67
4.12	Output Specifications for Contact Interface	67
4.13	Output Specifications for Personal Memoranda Interface	67
4.14	List of Entity Attributes	69
4.15	Personal Memoranda Database Table	79
4.16	Task Database Table	79
4.17	Special Dates Database Table	79
4.18	Contacts Database Table	79

5.1	Software and Hardware involved	82
5.2	Progress Development Status for Each Component/Module	85
6.1	System Developer and Individual Information	90
6.2	Test Schedule	91
6.3	Functionality Test	92
6.4	Stress Test	93
6.5	Test Description	94
6.6	Test Data for Each Module / Component / Functions	96
6.7	Software Introduction Module Result and Analysis	97
6.8	Add Task Module Result and Analysis	98
6.9	Special Dates Module Result and Analysis	98
6.10	Memo View Module Result and Analysis	99
6.11	Contacts Module Result and Analysis	100
6.12	Personal Details Module Result and Analysis	101
6.13	Help Module Result and Analysis	101
6.14	About Module Result and Analysis	102
6.15	Sticky Memo Module Result and Analysis	102
6.16	Alarm Module Result and Analysis	103
6.17	Send Memo via IP Address Module Result and Analysis	104
6.18	Send Memo via E-Mail Module Result and Analysis	104

LIST OF FIGURES

FIGURE	TITLE	PAGE
1.1	Send and Receive Memo Diagram	2
2.1	Project Methodology	17
3.1	Current Note-It Software Flowcharts	35
3.2	Current MyAssist Software Flowcharts	36
3.3	Project Application Use Case	39
4.1	Sticky Memo System Architecture	49
4.2	Sticky Memos Application Tool Context Diagram	50
4.3	Sticky Memos Application Tool DFD Level 0	50
4.4	DFD Level 1 for Personal Memoranda	51
4.5	DFD Level 1 for To-Do List	51
4.6	DFD Level 1 for Monthly Schedule	52
4.7	DFD Level 1 for Important Dates	52
4.8	DFD Level 1 for Contacts	53
4.9	DFD Level 2 for Sticky Memo	53
4.10	Welcome Page	54
4.11	To-Do List interface	54
4.12	Special Dates interface	55
4.13	Memo Viewer interface	55
4.14	Contact Interface	56
4.15	Personal Details Interface	56
4.16	Interface of Help	57
4.17	Interface of About	57
4.18	Interface of Sticky Memo	58
4.19	Alarm Interface	58

4.20	Web Browser Interface	58
4.21	Send via computer name Interface	58
4.22	Find My Task Interface	59
4.23	Find My Special Event Interface	59
4.24	Find Contacts Interface	59
4.25	Navigation Design for Sticky Memos Main Interface	60
4.26	Navigation Design for Personal Memoranda Interface	61
4.27	Navigation Design for To-Do List Interface	61
4.28	Navigation Design for Monthly Schedule Interface	62
4.29	Navigation Design for Important Dates Interface	62
4.30	Navigation Design for Contacts Interface	63
4.31	Navigation Design for Memo Interface	64
4.32	ERD of Sticky Memos Application Tool	69
4.33	Interfaces of Personal Memoranda	73
4.34	Interface of Contact	74
4.35	To-Do List interface	75
4.36	Monthly Schedule Dates Interface	76
4.37	Interfaces of Important Dates	77
4.38	Interface of Sticky Memo	78
4.39	Alarm Interface	78
4.40	Send via IP Interface	78
5.1	Network Environment Architecture	82

LIST OF APPENDICES

ATTACHMENT	TITLE	PAGE
1(a)	Gantt chart for PSM	115
1(b)	Gantt chart for PSM	116
2	Questionnaires: The Usage of Sticky Memo or Notes on Desktop.	117
3	User Manual	118

CHAPTER 1

INTRODUCTION

1.1 Project Background

This project is about designing and developing a sticky note for desktop that also enables user to send it over a net to family, friends and associates. It allows user to record and organize information without cluttering up users desk with scraps of paper. This utility is for Windows computers.

Memos can be set up to appear as reminder at specific dates and times. Just click the memo icon and a new blank memo will appear. The appearance of the memos is customizable including memo color and fonts. If user set alarm, this application reminds user some important notes. It is quick and easy way to take or send a note.

This application tool can be used by user in a same network link such as in LAN. To make this application work, each user that wants to communicate using this application tool must have this tool installed in their PC. The memo will be send according to the PC's IP address. The receiver will be informed that they have received a memo from whom.

The receiver also can reply the memo. The memo will be send according to a selected port. This application doesn't need an internet connection. It can be running in a local network without internet provided. This is a great tool for instan

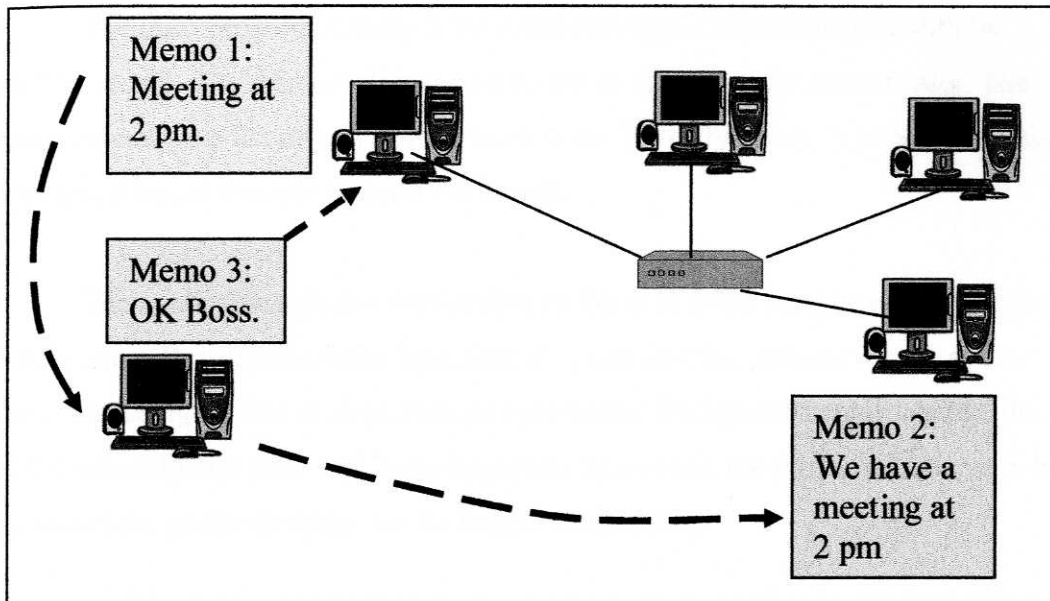


Figure 1.1 Send and Receive Memo Diagram

communication with colleagues and friends, or for use in a small office or a home LAN.

1.2 Problem statement(s)

The Sticky Memos application tool is not the first develop in computer and network industries. There are many applications that look like it. Therefore, there are still weaknesses can be detected in each existing application.

The first problem is a certain memo is just a stand alone application. It duplicates the whole usage of manual memo paper. The differentiation is just making it as a digital application that can be put on desktop. It doesn't have any additional function except to write note.

The second problem is although the memo has being added with additional function prior to the needed but it is still a stand alone application. It cannot communicate to other user using the same application whether in the same network area (LAN) or even via e-mail.

The third problem is there is no additional application that goes with the existing memo. The memo will just be a memo as it is use to be in manually. The memo cannot save list of task needed to be done, list of birthday, schedule, calendar or message board that can be send via e-mail.

The applicable solution for the first problem is a few functions will be added to the memo. Besides can write note, user also can do other task on it such as set alarm according to time or date, change the memos' background color, change the font, insert date and time, and it can be delete. Moreover, the memo will also can be put anywhere on the desktop, can be toggle and hidden.

For the second problem, the applicable solution will be making it able to communicate to other computer in the same area of network or LAN. The memo can be sent to other user using the same application. The memo will be send according to the IP address of recipients. The recipients for sure can reply the memo back. When the recipients receive their memo, they will be informing using a message box. The message box will also inform the memo is from whom.

Lastly, the applicable solution for the third problem would be develop another application with the sticky memo altogether. An organizer will be inserted in the tool so that user can manage their daily task easily and it also can become as their electronic diary.

1.3 Objective

Sticky Memos Application Tool project is design and develop to achieve several objectives. Among the objectives are shown below:

- **Making a revolution of memo pad.**
To built a sticky memos application that can be used on the desktop as the exchange by using yellow sticky paper and paste them on user monitor.

- **Apply a good work ethics at work place.**
To make the working area especially the desktop clear from scrap memos that stick all over the place.
- **For economy purpose.**
To save budget of buying post-it note paper especially for those who works in office or students.
- **Apply an easy and systematic task.**
To save energy and time by sending the memo right trough desktop then have to go to approach the receiver. With the organizer added in the sticky memo application, it become more reliable and useful in making a systematic daily task.

1.4 Scopes

Sticky Memos Application Tool project is design and develop based on several scopes. Below are the lists of scope that included in the project.

The common function that already has in the application such this application is as following.

- Develop sticky memo application tool.
- Apply date and time.
- Provide memo deletion.
- Add alarm.
- Able to customize.
- Provide hide function.
- Provide toggle.
- Provide a 'Help' function.
- Moveable application.

- Provide a message box.
- No specific user.
- Using Windows Operating System.

The enhancement that being made in this application is as followed.

- **Apply an organizer application.**

An organizer will be added as variety of usage of sticky memo. It will help user to organize their daily task systematically and easy. It will be a user friendly application.

- **Using a network connection.**

This application does need an Internet connection to be able to communicate using the Internet browser. It just needs a network connection such as LAN and it will be communicate directly using IP address.

- **Provide send function.**

This application can send the memo to other computer. It is by using computers' name or IP address.

1.5 Project Significance

From this project, many people will have the benefits if they using this on their computer. It will give the advantages especially to those who always use computer and always use memo pad as part of their working lifestyle or studying lifestyle. Eventually, most people can use it whether students, office staff or even family.

Firstly, with the usage of Sticky Memo application tool, user can make sure their working area especially the desktop clear from scrap memos that stick all over the place. The Sticky Memo will always paste on the desktop and it is neater because it will not fall down easily as the manual memo paper.

Secondly, user can also save their budget from buying anymore memo pad. User just has to type their notes on the Sticky Memo on their desktop. The usage of pen or ant stencils will be decreased because users don't need them to write a memo anymore.

Lastly, it will make user to apply an easy and systematic task. Users do not need to go from one room to another or make a telephone call just to remind their colleagues about important note. They just have to send via IP address of their colleagues' computer. User also can organize their daily task using the organizer provided in the sticky memo application. The organizer will be filled with many useful sub applications such as Personal Memoranda, Calendar, Monthly Schedule, Important Dates, To-do List, and Contacts List, Help and About.

1.6 Conclusion

As a conclusion this is an applicable project that can be developed for a worldwide usage. It will be appreciate by those who always use memo pad manually and for those who always busy with unarranged tasks. The Sticky Memo application tool is a 2-in-1 application that combined memo and an organizer.

Memo will help user to remind them of something they jot down. They will be alert by alarm and they can send them to other colleagues in the same LAN and using the same application. For the organizer, it will help user to save their important notes and display them in a systematic way.

After this, the literature review and project methodology will be specified to make this project more knowledgeable and understood.

CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

Magic Note, Super Note, Memo4U, Quick Note, Net Note or even Desklook, are the existing application in the World Wide Web. They have a common with Sticky Memo. For Sticky Memo, it has more useful function that combined two applications which are the organizer and the post-it-note kind of application.

From the observation done, this application has been year in World Wide Web but the usage of it still not satisfied. It is maybe because of the limited function in each application. An organizer application will be as the organizer and the post-it-note application just functioned as a reminder that sticks on the desktop. So user has to have two applications separately.

In this section, there will be some list of project summarization. They are existing project that similar as the one that will be built but it has slightly different form and task. Most of them have been found from the Internet source. Approaches that being used to do the research is also elaborate during this chapter.

Methodology approach is according to what will be done and it is not refer to any existing methodology for develop software or multimedia application. The methodology will be explained one by one phase continuously

2.2 Fact and Finding on the Advantages of Using Sticky Memos Application Tool.

In this section, it will discuss about the approach and related or passed research, reference, case study and other finding that relate to this project title. Most of them are found from the Internet source especially for other journal, case study and thesis. Below are the researches that have been done which may support the approach in this project.

2.2.1 Case Study of the Advantages of Using Sticky Memos Application Tool.

2.2.1.1 Case 1: Sticky memos are better or worst.

Many people or user said that it is giving more benefits if they use the digitized memo pad to scribble their notes that stick it all over their desk. It helps everyone who got a lot of work to be reminded of everyday. There are the days when traders yelled changes across the room, and left yellow sticky notes on desktops.

"In the past, when someone called you on the phone, you grabbed a legal pad and started to scribble. If you were organized, you ripped pages off the pad and put them into file folders. Sometimes stacks of legal pads piled up on your desk. It was hard to find information." (Ron Abramson, a partner at Hughes Hubbard Global Law Firm)

"Perhaps the greatest challenge for any knowledge worker, however broadly defined, is capturing the scribbles that one makes in the course of a day. These often start on sticky notes, scratch pads, cocktail napkins, and similarly awkward and easy to misplace media. Enterprises face an even greater hurdle when trying to corral the notes of hundreds or thousands of knowledge workers. Often, valuable information must be laboriously retyped, but this is impeded by both sloppy handwriting and an incomplete understanding of the context" (P.J. Connolly)