

BORANG PENGESAHAN STATUS TESIS^

JUDUL: E-PLANNER SYSTEM

SESI PENGAJIAN: 2005

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QA76 .D8 .N67 2005



0000039104

E-Planner system / Noraini Abdullah.

E-PLANNER SYSTEM

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**This report is submitted in partial fulfillment of the requirements for the
Bachelor of Science Computer (Software Development)**


**FACULTY OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
KOLEJ UNIVERSITI TEKNIKAL KEBANGSAAN MALAYSIA
OCTOBER 2005**

DECLARATION

I hereby declare that this project report entitled
E-PLANNER SYSTEM

is written by me and is my own effort and that no part has been plagiarized
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DEDICATION

To my beloved parents and siblings for their love and support,
To my great friends for their comments and suggestions.

ACKNOWLEDGEMENTS

I would like to thank all the Faculty of Information and Communication Technology staffs who were involved in managing and briefing *Projek Sarjana Muda* (PSM) students. In particular, I would like to thank my supervisor, Mrs. Norashikin bt Ahmad for her help and advise in how to managed this *Projek Sarjana Muda*. Her advice and assistance is very useful and had helped me a lot.

I also would like to take this opportunity to thank the entire Aliran Aktiviti Sdn. Bhd. staffs who were very understanding and supportive. Thank to the Director of AASB, Mr. Roslan b. Dabal who give me the opportunity to do my case study at AASB.

Finally, I would like to thank my parents, siblings and all of my friends who helped me to complete this report.

Once again, thank you to everyone who involved in finishing this *Projek Sarjana Muda* report. And thanks for giving me all the support and encouragement I need to complete this report in an organized and professional manner.

ABSTRACT

I had chosen e-Planner system as my *Projek Sarjana Muda*. My system has been approved by the *Projek Sarjana Muda* committee and I started my *Projek Sarjana Muda* with a case study at Aliran Aktiviti Sdn Bhd (AASB). e-Planner is developed for AASB staffs. Currently, there is no such system as e-Planner in AASB. AASB staffs used the official AASB manual paper planner. They also used a manual paper message to leave message to other staffs. When they want to transfer private files, they had to used other devices such as disk, CD-ROM or thumb drive. While to make announcements, they have to print the announcement and stick it on the message board. In order to ease this difficulty for AASB staffs, e-Planner is developed. e-Planner is an electronic planner where users can insert, edit or delete any events in their own planner. Other than that, e-Planner also has a function where users can send private message and transfer private files to other e-Planner users. To transfer private files, the other user who will receive the files must be online because they have to accept the transaction. But to send messages, the other users don't have to be online to receive the messages. e-Planner also has a bulletin board feature where users can post announcement and latest news. To develop e-Planner, I use Structured Systems Analysis and Design Methodology (SSADM).

ABSTRAK

Kolej Universiti Teknikal Kebangsaan Malaysia telah mewajibkan pelajar-pelajarnya untuk menyempurnakan Projek Sarjana Muda (PSM) untuk mengukur kebolehan mereka dalam pengaturcaraan dan untuk mendapatkan ijazah. Saya telah memilih e-Planner sebagai sistem untuk Projek Sarjana Muda. Sistem yang saya pilih ini telah mendapat kelulusan daripada ahli jawatankuasa Projek Sarjana Muda dan saya telah memulakan kajian kes di Aliran Aktiviti Sdn Bhd (AASB). e-Planner dibangunkan untuk staf-staf AASB. Pada masa ini, tiada sistem seperti e-Planner di AASB. Kini, staf-staf AASB menggunakan perancangan kertas AASB. Mereka juga menggunakan kertas untuk meninggalkan mesej kepada staf-staf lain. Apabila mereka ingin memindahkan fail-fail sulit, mereka terpaksa menggunakan peralatan lain untuk memindahkan fail-fail seperti disket, CD-ROM atau *thumb drive*. Manakala untuk membuat pengumuman, mereka perlu mencetak pengumuman dari komputer dan menampalnya di papan mesej. e-Planner akan dibangunkan untuk mengurangkan kesukaran yang dialami oleh staf-staf AASB. e-Planner ialah perancangan elektronik di mana pengguna boleh memasukkan, mengedit dan memadam apa-apa aktiviti di dalam perancangan mereka sendiri. Selain daripada itu, e-Planner juga mempunyai fungsi untuk menghantar mesej persendirian dan memindahkan fail-fail sulit kepada pengguna e-Planner yang lain. Untuk memindahkan fail, pengguna yang akan menerima fail itu mestilah pengguna yang aktif kerana pengguna itu perlu menerima pemindahan fail tersebut. Tetapi untuk menghantar mesej pula, pengguna yang akan menerima mesej itu tidak semestinya pengguna yang aktif. e-Planner juga mempunyai fungsi papan buletin di mana pengguna boleh menghantar pengumuman dan berita terkini. Saya menggunakan *Structured Systems Analysis and Design Methodology* (SSADM) untuk membangunkan e-Planner.

TABLE OF CONTENTS

CHAPTER	SUBJECT	PAGE
	DECLARATION	ii
	DEDICATION	iii
	ACKNOWLEDGEMENT	ii
	ABSTRACT	v
	ABSTRAK	vi
	TABLE OF CONTENTS	vii
	LIST OF TABLES	xii
	LIST OF FIGURES	xiii
CHAPTER I	INTRODUCTION	
	1.1 Overview	1
	1.2 Problem Statements	2
	1.3 Objectives	3
	1.4 Scope	5
	1.5 Project Significant	7
	1.6 Expected Output	8
	1.7 Conclusion	8
CHAPTER II	LITERATURE REVIEW AND PROJECT METHODOLOGY	
	2.1 Introduction	9
	2.2 Fact And Finding	9
	2.2.1 Planner Application	10
	2.2.1.1 Metacast E-Planner By New Agora Corporation	10
	2.2.1.2 New Renovation & Home Improvement Project Planner	11
	2.2.2 Private Message Application	12
	2.2.2.1 Friendster	12
	2.2.3 Transfer Files Application	12
	2.2.3.1 Yahoo! Messenger	13

	Services	
2.2.4	Bulletin Board Application	14
2.2.4.1	Atkins Diet Bulletin Board Forum	14
2.3	High-Level Project Requirements	15
2.3.1	Project Methodology	15
2.3.2	Project Requirements	17
2.3.2.1	Software Requirement	17
2.3.2.2	Hardware Requirement	20
2.3.2.3	Other Requirements	21
2.4	Project Schedule And Milestones	21
2.5	Conclusion	23
CHAPTER III ANALYSIS		
3.1	Introduction	24
3.2	Analysis Of Current System	24
3.3	Analysis Of To Be System	27
3.3.1	Functional Requirement	27
3.3.2	System Architecture	32
3.3.2.1	Context Diagram	32
3.3.2.2	Level 0	33
3.3.2.3	Level 1	34
3.3.3	Software Requirements	38
3.3.4	Hardware Requirements	38
3.3.5	Network Requirements	38
3.4	Conclusion	39
CHAPTER IV DESIGN		
4.1	Introduction	40
4.2	High-Level Design	40
4.2.1	Raw Input/Data	40
4.2.2	System Architecture	41
4.2.2.1	High-Level Logical View/Architecture	41
4.2.3	User Interface Design	42
4.2.3.1	Navigation Design	43
4.2.3.2	Input Design	44
4.2.3.3	Output Design	49
4.2.3	Database Design	52
4.2.3.1	Logical Database Design	52
4.2.3.2	Business Rule	53
4.3	Detailed Design	55
4.3.1	Software Specification	55
4.3.1.1	Registration	55
4.3.1.2	Login	56
4.3.1.3	User Profile	56
4.3.1.4	Planner	57

	4.3.1.5	Message	59
	4.3.1.6	Transfer File	61
	4.3.1.7	Bulletin Board	62
	4.3.2	Physical Database Design	64
4.4		Conclusion	68
CHAPTER V	IMPLEMENTATION		
5.1		Introduction	69
5.2		Software Development Environment Setup	69
5.3		Software Configuration Management	72
	5.3.1	Configuration Environment Setup	72
		5.3.1.1 Network Setup	72
		5.3.1.1 Installation And Configuration Software	72
	5.3.2	Version Control Procedure	72
5.4		Implementation Status	75
5.5		Conclusion	76
CHAPTER VI	TESTING		
6.1		Introduction	77
6.2		Test Plan	78
	6.2.1	Test Organization	78
		6.2.1.1 System Developer	78
		6.2.1.2 Client	78
		6.2.1.3 End-User	79
	6.2.2	Test Environment	79
	6.2.3	Test Schedule	80
6.3		Test Strategy	80
	6.3.1	Classes Of Tests	81
		6.3.1.1 Unit Testing	81
		6.3.1.2 Integration Testing	82
6.4		Test Design	82
	6.4.1	Test Description	82
		6.4.1.1 Registration [EP_01]	83
		6.4.1.2 Login [EP_02]	83
		6.4.1.3 User Profile [EP_03]	84
		6.4.1.4 Planner [EP_04]	84
		6.4.1.5 Private Message [EP_05]	85
		6.4.1.6 Transfer File [Ep_06]	85
		6.4.1.7 Bulletin Board [Ep_07]	86
	6.4.2	Test Data	86
6.5		Test Results And Analysis	89
6.6		Conclusion	91

CHAPTER VII	PROJECT CONCLUSION	
7.1	Observation On Weaknesses And Strengths	92
7.2	Propositions For Improvement	93
7.3	Contribution	93
7.4	Conclusion	94
	REFERENCES	95
	BIBLIOGRAPHY	96
	APPENDICES	
	A : Gantt Chart	97
	B : User Manual	98

LIST OF TABLES

TABLE	TITLE	PAGE
2.1	Project Milestones PSM 1 For E-Planner	21
2.2	Project Milestones PSM 2 For E-Planner	22
4.1	Current System Raw Data	40
4.2	Data Dictionary For Table Staff	64
4.3	Data Dictionary For Table Event	65
4.4	Data Dictionary For Table Message	65
4.5	Data Dictionary For Table Bulletin Board	66
4.6	Data Dictionary For Table Transfer	67
5.1	Environment Setup For MySQL Control Center	71
5.2	Environment Setup For Local Area Network	71
5.3	Version Control For Registration	73
5.4	Version Control For Login	73
5.5	Version Control For User Profile	73
5.6	Version Control For Planner	74
5.7	Version Control For Private Message	74
5.8	Version Control For Transfer File	74
5.9	Version Control For Bulletin Board	75
5.10	Implementation Status For e-Planner	75
6.1	Hardware Specification	79
6.2	Network Environment	79
6.3	Test Schedule For e-Planner Testing	80
6.4	Test Description For Registration [EP_01]	83
6.5	Test Description Login [EP_02]	83
6.6	Test Description For User Profile [EP_03]	84
6.7	Test Description For Planner [EP_04]	84
6.8	Test Description For Private Message [EP_05]	85
6.9	Test Description For Transfer File [EP_06]	85
6.10	Test Description For Bulletin Board [EP_07]	86
6.11	Test Data For Registration [EP_01]	86
6.12	Test Data For Planner [EP_04]	87
6.13	Test Data For Private Message [EP_05]	87
6.14	Test Data For Transfer File [EP_06]	87
6.15	Test Data For Bulletin Board [EP_07]	88

LIST OF FIGURES

FIGURE	TITLE	PAGE
2.1	Metacast E-Planner Sample Screen	11
2.2	Yahoo! Messenger Transfer File Sample Screen	13
2.3	Atkins Diet Bulletin Board Forum Sample Screen	15
3.1	Current System Flow For Planner	25
3.2	Current System Flow For Private Messages	26
3.3	Current System Flow For Transfer Files	26
3.4	Current System Flow For Bulletin Board	27
3.5	e-Planner System Flow For Planner	30
3.6	e-Planner System Flow For Private Messages	30
3.7	e-Planner System Flow For Transfer Private Files	31
3.8	e-Planner System Flow For Bulletin Board	31
3.9	Context Diagram For e-Planner	32
3.10	Data Flow Diagram Level 0	33
3.11	Data Flow Diagram For Register User Process	34
3.12	Data Flow Diagram For Login Process	34
3.13	Data Flow Diagram For Update Profile Process	34
3.14	Data Flow Diagram For Manage Planner Process	35
3.15	Data Flow Diagram For Send And Receive Message Process	36
3.16	Data Flow Diagram For Transfer File Process	37
3.17	Data Flow Diagram For Post Bulletin Board Process	37
4.1	Three-Tier e-Planner Model	42
4.2	Navigation Design For e-Planner	43
4.3	User Registration Interface	44
4.4	Login Interface	45
4.5	User Profile Interface	45
4.6	Add Event Interface	46
4.7	View and Delete Event Interface	46
4.8	Compose Private Message Interface	47
4.9	Transfer File Interface	47
4.10	Compose Bulletin Board Interface	48
4.11	View Planner Interface	49
4.12	Inbox Message Interface	49

4.13	Read Private Message Interface	50
4.14	Inbox Announcement Interface	50
4.15	Read Announcement Interface	51
4.16	Entity Relationship Diagram For e-Planner	52
4.17	Business For e-Planner ER	53
5.1	Environment Architecture (Star Topology)	70
6.1	User Acceptance Test Form	89

CHAPTER I

INTRODUCTION

1.1 Overview

e-Planner is developed for Aliran Aktiviti Sdn Bhd (AASB). The users of e-Planner are AASB staffs. There is no such system as e-Planner in AASB before. The purpose of e-Planner development is to ease the planner management, private message making, files transaction and announcements making.

e-Planner is an electronic planner. It enables users to insert, update and delete any events in the planner. The planner will be display by months. Users can move to the previous or the next months to view or insert events. e-Planner also has a function where users can send private messages and transfer private files to the other e-Planner users. To transfer private files, the other e-Planner users who will receive the file must be online users. They have to accept the transaction before the file is transferred. But to send private messages, the other e-Planner users who will receive the messages can be the offline users. They can read the messages when they access e-Planner. e-Planner also has a bulletin board feature where users can post announcements or any latest news. All users in the same network can view this bulletin board.

e-Planner is need to be developed because of several difficulty that AASB staffs faced. The main problem is that the manual planner lack of privacy and security. Anybody can view and insert events on the planner without permission. It is also a mess to edit events on a manual planner. It is also lack of security when staffs need to leave private messages to other staffs. If they stick the messages on the desk, everyone in the office who passes by the desk can see and read it. The next problem is if staffs want to share files, they have to share it to the entire network. They have to use other device such as disk, CD-ROM or thumb drive if they want to transfer private files. The other reason why e-Planner is needed to be developed is staffs didn't aware of new announcements on the message board in the office.

1.2 Problem Statements

There are four main problems why e-Planner is needed to be developed. First, the manual planner is lack of privacy and security. Normally in a company, each of the users will get a company official manual planner and they will place it on the top of their desk. Anybody in the office can view the user's planner and they can insert any events without permission. Further more, this manual planner is display by months. So every month users have to change the month manually. It is also a mess for users to edit the events that they have insert in the manual planner.

The next problem is also the lack of privacy and security for users leave private messages to other users on their desk because everyone in the office who passes by the desk can view and read the messages.

Another problem is users can't share private files on the network because everybody on the network can access that files. They have to use other devices such as disk, CD-ROM or thumb drive to transfer the private files.

The final problem is user didn't aware of new announcements. In the office, announcements usually placed on the message board. User didn't aware of the new announcements because they may think that it was the earlier announcements.

e-Planner will be developed to solve all of this problems. e-Planner has a security feature. Users have to enter their username and password to access e-Planner. So the planner will be more secure and privacy. The planner will be display by months and it will change automatically to the next months. Users can move to the previous months or to the next months. e-Planner has a function where user can insert events in the planner. They also can edit or delete the events that they have inserted.

e-Planner also has a function for users to send a private messages to other e-Planner users. Users still can send messages to other offline e-Planner users. They will get and read the messages when they access e-Planner. Other then that, e-Planner has a transferring private files feature. Users can only transfer private files to active e-Planner users because they have to accept the transaction before the file is transferred.

There is also a bulletin board in e-Planner. Users can send announcements or latest news to the bulletin board. The objective of e-Planner is to ease the planner management, private message making, files transaction and announcements making.

1.3 Objectives

There are five objectives of e-Planner development.

i) To provide a private planner with security

e-Planner has a security feature where users have entered a valid username and password to access e-Planner. With this security feature the planner will be more secure and more privacy to the users.

ii) To ease planner management

e-Planner is developed to ease planner management by changing the months automatically and users can insert, edit and delete any events in their planner.

iii) To enable users to send private messages

e-Planner enable user to send private messages to other e-Planner users whether the other users is active or inactive users on that time. So users can send messages anytime they want to.

iv) To provide a private files transaction

e-Planner provide a private files transaction by transferring the files via the network to the other users so users don't have to used other devices to transfer the files.

v) **To ease announcements post**

e-Planner is developed to ease announcements making by providing a bulletin board which users can post announcements at anytime by computer. They don't have to be in the office to make announcements.

1.4 Scopes

e-Planner is developed for Aliran Aktiviti Sdn Bhd (AASB). The exact users of e-Planner are AASB staffs. The scopes of e-Planner will be dividing into seven modules which are registration, login, user profile, planner, private messages, files transaction and bulletin board.

i) **Registration**

Users have to register to get a valid username and password to access e-Planner. Every time they want to access e-Planner, they have to use the username and password that they have been registered.

ii) **Login**

User have to login with a valid username and password every time they want to access e-Planner. If they don't have a valid username and password, they have to register with e-Planner.

iii) User Profile

User can update their profile. They can change some of their information that was entered while they register with e-Planner. The change will be saved.

iv) Planner

Users can insert, edit or delete events on their planner. It will be display by month and will automatically change to the next month at the end of the current month. Users also can use the navigation link to move to the previous or the next months or year in order to view, insert, edit or delete events.

v) Private Message

Users can send private message to other e-Planner users via the same network. Users can send a message to the other active e-Planner user via the same network. Private messages can be send to online and offline users. The link to messages that have been read will be in the different color compare to the messages that users haven't read.

vi) Files Transaction

Users can transfer private files to other e-Planner users via the same network. The other users who will receive the files have to be an online user so that they can approve the transaction on that time before the transferring process is started.

vii) Bulletin Board

Users can post announcements or news from the computer and the announcement will be display on the bulletin board and all users can view the announcements. The link to announcements that have been read will be in the different color compare to the announcements that users haven't read.

1.5 Project Significance

e-Planner is developed for Aliran Aktiviti Sdn Bhd staffs benefit. It will ease the planner management problems that users usually faced. Users can easily insert, edit or delete events on the planner. Further more, e-Planner is more readable compare to the manual planner. In e-Planner, the month will automatically change to the next month at the end of the current month. The most important thing is their planner will be secure.

Moreover, e-Planner can transfer private files which users can't share on the network. So they don't have to use other devices to transfer private files and this will save their times. Users also can send private message to other e-Planner users. They can

make a private conversation without gaining any attention from other people in the office.

In addition, e-Planner has a bulletin board where users can easily post announcements and news. The link to the new announcements will be in the different color compare to the previous announcement. So users will be more aware.

1.6 Expected output

When e-Planner has been developed, it will ease the users' planner management. They can easily insert, edit or delete any events. Users also can easily transfer private files and send private messages to other user via the same network. They can post announcements and they will be more aware of new announcements.

1.7 Conclusion

As a whole, e-Planner is to be developed to solve the problem that users usually faced in the office. e-Planner will ease their planner management. User can transfer private files effortlessly and they can communicate with other user in the same network privately. With bulletin board function in e-Planner, user can easily post and read announcement or news.

The next chapter will explain in detail how the research based on e-Planner is done and the research of the methodology and softwares that are being used in this project.

CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

Literature review is searching, collecting and analyzing fact and finding about the project's topic. After that a conclusion will be drawing based from all the debates and issue raised. On the other hand, project methodology is about all the available tools, approach and technique to be used to develop the project to accomplish the objectives of the project.

This chapter will explain in detail how the research based on e-Planner is done and research of methodology and softwares that are being used in this project.

2.2 Fact and Finding

e-Planner is developed to help Aliran Aktiviti Sdn Bhd (AASB) staffs to plan their business and personal events. e-Planner is becoming popular nowadays. It is an

easy way to manage business or personal events. Research on e-Planner project is done based on the website and messaging system.

2.2.1 Planner Application

2.2.1.1 Metacast E-Planner by New Agora Corporation

This is New Agora Corporation website. This website offers Metacast E-Planner for users. Users can register with New Agora to view Metacast E-Planner demo. The interfaces of Metacast E-Planner are quite simple and the planner can be display by day.

Metacast E-Planner is accessible from any web browser. A first-time users have to create an account by entering an email address, password and answer some user survey. Then they can browse Metacast E-Planner and add events to their personal planner. Users also can share their schedule with others via email.

To review the research in this website, Metacast E-Planner is a user friendly system and it has simple interfaces which is very plain. But it is tough to register with New Agora to get Metacast E-Planner demo. Metacast E-Planner doesn't have transfer files, private message and bulletin board features as e-Planner for AASB.