

## TESIS^ APPROVAL STATUS FORM

JUDUL: PERSONAL REMINDER AND SCHEDULER SYSTEM

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**PERSONAL REMINDER AND SCHEDULER SYSTEM**

TAN CHEE BOON

This report is submitted in partial fulfillment of the requirements for the  
Bachelor of Information Technology.


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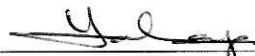
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## **DEDICATION**

*Specially dedicated to  
My beloved one and family members who have  
encouraged, guided and inspired me throughout my journey of education*

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## ABSTRAK

Perisian Personal Reminder and Scheduler System (PRSS) adalah sebuah perisian yang membekalkan fungsi *reminder* untuk membantu mereka yang memerlukan suatu perisian reminder, mesej dan nota kalendar. PRSS adalah satu perisian semua-dalam-satu yang dapat mencapai kesemua keperluan fungsi di atas. Objektif utama membina perisian ini adalah kerana perisian yang ada sekarang mempunyai kekurangan tertentu dan tidak dapat memenuhi semua keperluan fungsi di atas. PRSS sepatutnya tidak mempunyai masalah begitu dan dapat memenuhi keperluan orang ramai. Perisian ini akan dibina menggunakan *Microsoft Visual Basic.Net*. Fungsi utama perisian ini adalah untuk membuat *reminder* dan nota. Pengguna juga boleh mengubah bunyi penggera. Model yang digunakan di sini adalah *Rational Unified Process* (RUP). Model ini dipilih kerana bersesuaian dengan PRSS. Adalah diharapkan PRSS dapat menggantikan perisian yang disebutkan diatas. Ini akan membenarkan pengguna menggunakan perisian ini dengan lebih senang.

## **ABSTRACT**

The Personal Reminder and Scheduler System is a personal reminder system designed to assist those who need to use a reminder, message note and calendar notice systems. The Personal Task Reminder and Scheduler System is an all-in-one system that covers all the functionality in the above systems. The main objective of developing this system is because the current systems that are used for the above reason often lacks in a few areas. This system should be free of these problems and in the same time serves with the best functionality possible. The Microsoft Studio.NET will be used to develop the system. The main functionality of the system is to create reminders and alarms. The users can also create quick note just for reference and also create notes for certain date. Apart from these users can set the system settings such as sound setting. This system will be developed using the Rational Unified Process (RUP). The model is chosen because it is suitable for the system. It is a hope that this system can replace all those systems above. This will also make the users easier to manage the system.



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## LIST OF ABBREVIATIONS

API	-	Application Program Interface
ASP	-	Active Server Pages
AUT	-	Application Under Testing
COM	-	Component Object Model
DNS	-	Domain Name System
ERD	-	Entity Relationship Diagram
GUI	-	Graphical User Interface
IDE	-	Interactive Development Environment
IIS	-	Internet Information Server
IMAP	-	Internet Message Access Protocol
J2EE	-	Java 2 Enterprise Edition
PDA	-	Personal Digital Assistant
POP3	-	Post Office Protocol 3
PSM	-	<i>Projek Sarjana Muda</i>
RAD	-	Rapid Application Development
RUP	-	Rational Unified Process
SDLC	-	System Development Life Cycle
SMS	-	Short Message Services
SMTP	-	Simple Mail Transfer Protocol
UML	-	Unified Modeling Language

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## CHAPTER I

### INTRODUCTION

#### 1.1 Preamble/Overview

Nowadays people are often engaged in activities that are very pack in their schedules. Meetings, appointments and important dates are very important to us, as they will have impact in our daily routine and business opportunity. With this load of things to remember we just cannot rely on our plain memory anymore.

Most of us have our own tool to remember important dates or appointments. Some of us use notebooks, logbooks, PDA and even hand phone to put a note. However these items are limited and are often expensive to buy, such as the PDA. Items such as logbooks are more prone to get damaged. All the problems can be solved if we had an application on our own computer that can remind us of all these things. This is like a reminder system, but with more advance functions.

The system proposed is a task reminder and scheduler for personal use. This system will enable the user to enter their task and time to be reminded and when the time arrives the system will pop-up a message reminder and also to send an e-mail reminder to the user. The user should be able to set the time for the notice to be sent.

The different part of this system is that the user can access a website in the Internet with his user name and then he can edit his reminder. When the user goes

home and go online, he can update his reminder from the Internet. This will be flexible to the user because they can add new tasks when they have Internet connection, without having to remember the task until they arrive home.

This system can be used to store important dates, notes, contact numbers and other notes. The interface will be user-friendly and customizable, such as the system's skin, notice message, color and font. This is important, as users normally like to configure the systems they use with their own preference.

## **1.2 Problem Statements**

There are numerous systems in the market now that are providing the reminder function. However there are areas to be enhanced. Each of the systems have their own specialty, for example send e-mail notification, pop-up reminder and event birthday reminder.

Some of the systems are too troublesome to use, not user-friendly, hard to set and not attractive to use. These are a few problems that the current system faces.

By developing this system, it is hoped that the system can emulate the functions of those reminder systems in the market so that it will be well equipped and able to give the best functionality as possible.

## **1.3 Objective**

The objective of this proposed application is to help the user to avoid all the fusses mentioned above when it comes to scheduling. The user can use this conveniently using their computers.

The main function of this system is to serve as a reminder system. This kind of service can be found in most applications nowadays, for example in a hand phone there is a reminder function. Its objective is to make reminder notice to the user with message pop-ups and via e-mail. The user can set the time and date for certain events for notification. These events include birthdays, meetings and important dates.

This application will provide proper scheduling for the user. The calendar will be checking the user's schedule and thus can configure the schedule of the user. There will be an event calendar for the user. The calendar can be edited, for example inserting a note. The calendar can store the schedule of the user as well.

The application should also make things easier and more convenient. It can be web based, where a user who can online anywhere and access his scheduler. Then he can set his own schedules. This is quite convenient as users can set it anywhere at anytime. This application should make schedules sound more realistic and easier to managed with proper interface and user-friendly functions.

The interface will be user-designed or customization-enabled so that the users can customize their schedulers. This will provide them with some fun using the application compare to those schedulers in the market, which are quite dull in their interface.

#### **1.4 Scope of Project**

This application will be password-protected. The user will have to enter a password to use it so that it will be protected from unauthorized use from other people. For the online-updating of reminder and schedules, a user name and



password will be required. This means that for the user who wants to use the online side of the application will have to register himself with an account.

This application will be developed using the .NET technology, with the ASP for the online-based side and the VB.NET for the application development. It will be using the SQL Server 2000 database.

The modules for the system can be described as follow:

- Creating reminders for appointments
- Creating notes for a given time and date (or calendar)
- Manipulation of reminder, such as add, modify and delete
- Access from the Internet to edit the schedules
- Able to let the users to customize the application, for example change the color of the application or let the user to change the skin
- Sending e-mail notifications on certain schedule dates
- Password protected for authentication

## **1.5 Contributions**

Research is being carried out to study how this system really works. By developing this application, the real flow of the reminder system is understood. This will definitely enhance the students' ability to analyze, design and develop a system. On the other hand the user of the system will also benefit from this project as they can use this system once it is developed.



## 1.6 Expected Output

Upon the completion of this project, it is expected that the Personal Reminder and Scheduler System (PRSS) will be fully developed and fully functional. The PRSS will be able to cater home user as a reminder program, and can be used by more than 1 person because other people can register to use it. However it can be used one person at a time.

The PRSS will be expected to provide a reliable reminder function to the user and be able to help users to ease their reminder problem. The PRSS should be accurate and easy to use. The features are quite unique, it combined some of the most important functions that a reminder system should have.

As conclusion to the project, the PRSS system should be developed on time and be timely delivered.

## **CHAPTER II**

### **LITERATURE REVIEW**

#### **2.1 Introduction**

Literature review is a critical look at the existing research or application that is significant to the work that is being carried out. Apart from summarizing the relevant research, it is vital to evaluate the work. The importance of this review is to show the relationships between different works and then show how it relates to the system. For example the review of the methodology used, the functionality of the system or even the technology used.

In the process of developing the application, it is vital to get some information regarding this application. Useful information on this topic are found in the Internet, where there are articles discussing about the implementation, architecture and design. Researches in these areas and previous works are vital in providing information on the topic. From this, the advantages and disadvantages of other systems as well as finding constructive ideas for our own system can be determined.