

BORANG PENGESAHAN STATUS THESIS
JUDUL: PAYROLL SYSTEM

SESI PENGAJIAN: 2007

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DECLARATION

I hereby declare that this project report entitled

PAYROLL SYSTEM

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

STUDENT : _____ Date : _____
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SUPERVISOR : _____ Date : _____
(MOHD SANUMSI BIN AZMI)

DEDICATION

To my beloved Dad, Mum, brothers and sisters who have encourage, guided, helped and inspired me throughout the journey of success.

To my supervisor, Mohd Sanumsi Bin Azmi, for making it all worthwhile

ACKNOWLEDGEMENTS

The completion of this Projek Sarjana Muda (PSM) report is successfully done as a result of the contribution of many parties. Here I would like to express my greatest gratitude to those who had helped me, directly or indirectly, in accomplishing this report.

First of all, I would like to appreciate Mohd Sanumsi bin Azmi, my supervisor of the PSM. He had helped me without ceasing in guiding me through the documentation needs and also updates me about the information on this. He had shown me plenty of skills and knowledge in how to develop a software project. With his advice, comments and guidance, I am able to accomplish the report within the given time.

Next I wish like to thank the University Teknikal Malaysia Melaka (UTeM) for offering Projek Sarjana Muda (PSM) as a compulsory subjects for students to obtain the degree. In addition, I'm also very grateful for all the PSM committee members for their great help in organizing talks to students.

Beyond the professional involved in this project, my family also quite influential this work. In here, I would like to thank my family members that had offered unlimited support during the time that I had to do this system and report. They had shown understanding and also moral support to me.

Last but not least I wish to thank all my course mate and friends from UTeM and also others that may not have been mentioned here. Without any of these supports, I would not have completed my final project successfully.

ABSTRACT

The project is known as Payroll system. The goal of the project is developed a successfully and effective Payroll system with a add overtime schedule, view overtime report and pay overtime salary. Basically the system comprise of 3 modules which is add overtime schedule module, view overtime module, pay salary overtime module. The project methodology of this system is using Rational Unified Process (RUP) with Object Oriented Analysis and Design (OOAD) method. The notation of this system is using Unified Modeling Language (UML).RUP methodology is consists four phases includes planning, evaluation, risk analysis and engineering. The software requirement for the system is Microsoft Office, Microsoft office vision, and Rational Rose 2000 Enterprise Edition. The operating systems that will used to develop this system are Windows Professional XP Services Pack 2 and the database system is using Microsoft Access. Other than that, the scripting language of this system is using Java net beans 6.0.The hardware requirements to develop this system are personal computer. The document will introduce the project in detail, starting from the system overview, analysis, design, implementation testing and evaluation.

ABSTRAK

Projek ini dinamakan Payroll sistem. Tujuan utama projek ini ialah untuk membangunkan satu sistem kerja lebih masa, report kerja lebih masa dan bayar gaji kerja lebih masa yang berkesan dan berjaya. Seterusnya, sistem ini mempunyai 3 modules yang utama iaitu module is add overtime schedule module, view overtime module, pay salary overtime module tambah kerja lebih masa dalam jadual, lihat kerja lebih masa dan pengiraan gaji pekerja dan module report kerajaan. Projek methodology bagi sistem ini menggunakan Rational Unified Process (RUP) bersama Object Oriented Analysis dan Design (OOAD). Notasi bagi sistem ini ialah menggunakan Unified Modeling Language (UML). RUP metodologi ini mengandungi 4 fasa iaitu Inception Phase, Elaboration Phase, Construction Phase and Transition Phase. Untuk membina sistem ini, keperluan perisian yang digunakan ialah Microsoft office, Microsoft office vision, dan Rational Rose 2000 Enterprise Edition. Manakala sistem pengoperasian adalah menggunakan Windows Professional XP Services Pack 2 dan MySQL digunakan sebagai pangkalan data. Selain itu, bahasa pengaturcaraan yang digunakan adalah Java net beans 6.0. Keperluan perkakasan yang digunakan untuk system in adalah computer peribadi. Dokumen ini akan menerangkan projek dengan lebih terperinci bermula dari latar belakang projek, analisa, rekabentuk, perlaksanaan, pengujian hingga ke penilaian projek.

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CHAPTER I

INTRODUCTION

1.1 Project Background

This project is named Payroll system is use to calculate employee overtime salary. The system will be applied to the supermarket like Tesco, Giant and etc. Because in the supermarket have many department and more than 1000 employee.

The system to be will be developed using Java language and Microsoft office access which act as database. It provides more specific functions compare to current system. Functions which add in are such as to keep record of all employees which used in to calculate employee overtime. With this system, head department are able to maintain employees overtime under his department in a more systematic way.

The system allow employee to view their overtime salary by next day each time after they added overtime. Besides, treasure department can pay employee overtime salary by approve the employee overtime.

1.2 Problem Statement(s)

Analyze the identified problems is a collection of information about all the existing and non-existing around the world. The main problem statement that occurred in the real environment is listed as follows:

- a) Payroll requires a high degree of a calculation for operation. Traditionally, Overtime is calculated manually in the book. It's not suitable to be used in large organization.
- b) In the market, many business systems are not providing employee to view their overtime salary by clearly.

1.3 Objectives

The objectives to develop the system are as below:

- a) To implement a successful and effective Payroll system.
- b) To develop a user friendly interface for treasure department and employee to view their overtime salary by daily.

1.4 Scope

The Payroll system consists of three main modules that will be incorporate into a single system which would be related dynamically to each other. The module of the system include the following

a) Head of Department

The aim of this module is let the head department to insert the employee overtime detail by daily. They can choice to add 1 employee or multiple employees at the same time.

b) Employee View Overtime

The aim of this module is let the employee to view and calculate the salary for overtime by daily.

c) Treasure of Department

The aim of this module is let the treasure of department to pay the salary and print out the pay slip to employee by month.

1.5 Project significant

Once the proposed system is complete and running successfully, all the organizations can expect to gain the benefits which can be summarized as follow

a) Accurate employee overtime record

Highly accurate employee overtime records are required for any organization to compete in a global marketplace. Besides, accurate employee records are crucial to the success of the planning effort.

b) User friendly system

A user friendly system to calculate the employee overtime salary is required by the market.

c) Add employee overtime

With this system, head department can add employee overtime in their department by specification and confidential.

1.6 Expected output

In the end of the proposed system, it is anticipated that the features and functions the proposed system will offer is as follow:

- a) To developed the user friendly system in the add employee overtime by head department in the daily.
- b) To develop an extensive array of overtime salary view and employee pay slip display.
- c) To developed the user friendly system in the view overtime report by each employee in the daily.

1.7 Conclusion

As the conclusion, this chapter had discussed about payroll system project background. The project background is the introduction of the project as a whole but in the brief description. Besides, the objectives if the project also had been touched in this chapter. The next chapter is to discuss on literature review and project methodology. The literature review is searching, collecting, analyzing and demonstrate past study related to the project topics.

CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

The literature studies are reviews of the critical literature on a particular topic. The keyword in the particular area will become clearer if the literature studies are being correctly carried out. The literature review can demonstrate the skill and knowledge to find out the problem solutions and system design through information seeking and critical appraisal. Moreover, a critical review aid the reviewers' analysis and synthesis skills development in creating own writing.

Literature studies for payroll system are conducted by reading up the information and facts found mostly from the Internet and books. After collecting all these documents, reading and understand the facts presented before commencing the project is very important. The research about payroll is completed and done through searching, collecting and analyzing relevant resources from journal, article, references book and web page.

2.2 Fact and Finding

There are many resources about payroll system. The literature studies including domain background, existing system research and techniques for payroll system.

2.2.1 Domain Background:

The payroll system that was effective as of January 31, 1996. The City of Tampa employs approximately 4,000 people. Employees are generally paid on a bi-weekly basis with two groups receiving pay on alternate weeks. The remainder is paid on a weekly basis. The payroll process audit reviewed the controls surrounding this function. The weekly payroll for the city is approximately \$2 million

Inside the Payroll plan, they prepare an entrance letter and send it to the Finance Director and Chief Accountant. The main objective is to determine if the controls over the payroll process are adequate, in place and working. Beside that to review the payroll process and document control points to ensure only current or retired City employees receive payments. Furthermore, they also discuss any weaknesses noted with central payroll personnel and make a summary and conclude for the last.

2.2.2 Existing System

Actually there have various payroll systems that already exist in the market. In this section, some of the existing system will be discussed in terms of their features and functions provided.

2.2.2.1 UBS Payroll

UBS Payroll is the most popular current existing system. It was designed to be run on a single user PC by people with no previous experience with either computer.

UBS Payroll is able to convert the net salaries data to text format via diskette for Banks that offers credit salaries facilities. . UBS Payroll for Windows offers remarkable flexibility in payroll processing. Its user definable allowances, deductions and multiple overtime rates with built-in EPF, SOCSO and PCB tax deductions, make it a suitable choice for many small to large organizations.

In summary, UBS Payroll software can be said is complicated and it is not a free system. To use this system, user required to have training before use this system.

2.2.2.2 SurePayroll

SurePayroll is the national leader in online payroll processing. They focus exclusively on small business payroll solutions, and provide a simple, convenient and smart way to process payroll and file taxes.

SurePayroll is passionate about small businesses and their payroll. They provide the friendliest, simplest payroll experience on earth — at a price small business owners can afford. No more workday interruptions to submit payroll, so user can focus on growing their business.

SurePayroll calculates, files and pays all federal, state and local taxes when you run your payroll. Unlike other services that merely send you e-mail reminders at tax time and leave the burden on you.

In summary, SurePayroll software is hard to use especially for no online user. The user can't always receive the message and update the system. It is not so effective software that can be implemented by most of the user.

2.2.2.3 Delta Payroll System

Delta Payroll and Personnel system provides automated facilities in the support of the payroll and personnel requirements of your business. Delta Payroll & Human Resources System can help your company to manage its Payroll processing and tax reporting more efficiently, accurately and completely.

The following services and features are available through DPPS

- a) Processes Payrolls weekly, semi-monthly and quarterly.
- b) Processes periodical performance appraisals, which can be, customized to fulfill the needs of the Human Resources department.
- c) Allow you to register basic data through an easy way.

2.2.3 Technique

This section describes the techniques that can be applied in the proposed Payroll System.

2.2.3.1 Authentication

The proposed system provides a user login authentication functions. The authentication is important for a system since the system contain confidential data which should be protected by unauthorized access and modification. Only the user which has a user account has the access right and gain to the system.

2.2.3.2 Head Department

Head department is a person in charge the employee overtime in his/her department. Among the most commonly head department to make sure the employee overtime are:

- a) Make an overtime report for 1 person.
- b) Make an overtime report for multiple people.

2.2.3.3 View Overtime

Each time after employee has added overtime, employees are allowed to view his overtime report for next day. Inside the overtime report will show to employee by date, overtime description and total amount for that month.

2.2.3.4 Treasure Department

Treasure department is a person in charge pay salary to employee by department, typically the treasure department will receive the overtime report for head department after that treasure department will make a calculation amount salary for and make pay slip to each employee.