

BORANG PENGESAHAN STATUS TESIS*

JUDUL : DANCE SCHOOL MANAGEMENT

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DANCE SCHOOL MANAGEMENT

CHEONG LANG LEY

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

**FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY
UNIVERSITI TEKNIKAL MALAYSIA MELAKA
2007**

DECLARATION

I hereby declare that this project report entitled
DANCE SCHOOL MANAGEMENT

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

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DEDICATION

I would like to say a million thank you to my beloved parents for being there the entire time when I needed them. Thank you so much for being there and I dedicate the completion of my bachelor degree to you as a big thank you for all the sacrifices and time.

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ABSTRACT

This report is created as the final deliverables in completion of 'Projek Sarjana Muda' in partial fulfillment for Bachelor of Computer Science (Software Development) at Universiti Teknikal Malaysia Melaka. A web based system that would suit most small business enterprise companies would be built. In this project, the dance industry would be the focus. The system is entitled 'Dance School Management'. KK Dance School in Sri Hartamas, Kuala Lumpur will be the end user. This system is to allow better viewing of information like the academy information, classes' information, teachers information, and schedule. It also serves to support administrative operations like updating students' information, the academy's classes schedule and fees paid by students. Plus, it is an Internet based system which would result in a better administrative management and more portable system as well as to provide capabilities for analyzing the progress of the business with reports generated. Chapter 1 gives a brief idea on the system. Chapter 2 describes the development methodology and the literature review of the system. Chapter 3 captures the analysis of the current and proposed system. The user and system requirements will also be describe thoroughly. Chapter 4 defines the architecture view, static view, user interface design as well as the conceptual and logical database design for the system. Navigation flow and the data involved are also described. Chapter 5 describes the implementation stage. Chapter 6 describes the testing phase and Chapter 7 concludes the whole report and system. This system would be beneficial to KK Dance Studio.

ABSTRAK

Laporan ini dihasilkan sebagai hasil akhir dalam penghabisan Projek Sarjana Muda dalam sebahagian syarat graduasi Sarjana Muda Komputer Sains (Pembangunan Perisian) di Universiti Teknikal Malaysia Melaka. Satu sistem laman web yang boleh memenuhi kehendak syarikat-syarikat kecil akan dibina. Dalam projek ini, industri tarian menjadi fokus. Sistem ini berjudul 'Dance School Management'. 'KK Dance School' di Sri Hartamas, Kuala Lumpur merupakan pengguna akhir sistem ini. Sistem ini mampu membantu pengguna mencari maklumat dengan lebih senang seperti maklumat akademi, guru tarian, kelas dan masa kelas. Ia juga berfungsi membantu kerja-kerja pejabat seperti mengemaskini maklumat pelajar, masa kelas akademi dan pembayaran pelajar. Tambahan pula, ia dibina dalam laman web yang mana membantu kerja pejabat dengan lebih senang dan mudah diguna di mana sahaja. Ia juga boleh menganalisa status syarikat dengan laporan yang dipapar secara automatik. Bab 1 memberi idea mengenai sistem yang dibina. Bab 2 mengolah pembangunan methodologi dan sastera. Bab 3 membincangkan analisis sistem semasa dan yang dibina. Kehendak pengguna dan sistem juga dibincangkan. Bab 4 mendefinisikan pembangunan sistem dari segi arkitek, statik dan paparan pengguna. Bab 5 menerangkan mengenai proses implementasi. Bab 6 membincangkan proses pengujian manakala Bab 7 menyimpulkan keseluruhan sistem dan laporan. Sistem ini akan bermanfaat kepada KK Dance Studio.

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LIST OF ABBREVIATION

DSH	Dance School Management System
PSM	Project Sarjana Muda.

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CHAPTER I

INTRODUCTION

1.1 Project Background

A web based system that will suit most small business enterprise companies will be built. In this project, the dance industry will be the focus. The system title is 'Dance School Management'.

This project will be beneficial to all small business companies. In this web based system, it would benefit dance academies specifically. The project focus will be the dance industry and could be used in any dance academies. In this project, KK Dance School in Sri Hartamas, Kuala Lumpur will be the target user.

Most dance academies including KK Dance School have their own website but their website only provide information retrieving by outsiders, giving information about the school like classes' information and time table. Furthermore, there is no current management system for dance academies as dance academies are all still using the manual system which keeping their data in physical files.

In this web based system, it will be able to present viewer all related information about the school as a normal website in the internet and at the same time allow management task such as updating students' information to be done on the system. Plus, the management of the school will be able to view the progress and status of the school using report functions generated.

The target users are viewer to the web page which will be the viewer to the dance academy and also the administrative management of dance academy.

In short, the system will not only provide a good marketing tool but also as a good management tool. It will also enable analysis on the progress of the school.

1.2 Problem Statement

Most dance academies have their own website which only allow information retrieving and do not allow any managerial work to be done.

Management tasks like updating students' information, editing the schedule information and payment received for fees will need to be done offline. The management tasks are done manually such as informing on the changes of schedule by pasting a notice on notice boards, keeping students record manually in hard cover files and reaching out to parents on the latest news by words of mouth or paper notices. This will cause inconsistency in the dance academies as the management is always on the move.

Furthermore, there is no current system or any way for the dance academies to view the status or progress of the school. It would be best if there is a system that could help view the progress of the academies like showing the difference or comparison by students, or payment. The reports could allow the management of the academy to plan for the future expansion and to avoid unwanted circumstances.

With a web based system with reporting and management function in it, it would be more effective for the management of a certain company. Plus, it would be more consistent too.

1.3 Objectives

The objectives of the 'Dance School Management' project are:

- To allow better viewing of information like the academy's information, teachers' information, classes' information, schedule, and announcement
- To support administrative operations like updating students' information, editing the academy's classes schedule and recording fees paid by students
- To allow an Internet based system which would result in a better administrative management and more portable system
- To provide capabilities for analyzing the progress of the business with reports generated

1.4 Scope

The system will cater all the requirements required by KK Dance School. There would be two main users to the system. One is the user or the viewer of the system and another is the administrator of the academy.

Viewer

- Viewers of the system who would like to get information about the school. They could be the parents of students of the academy who would like to read announcements or get information. Viewer could also be outsiders or anyone from the public who would like to enquire about the academy.
- Viewers are only allowed to navigate the system in pages like main menu, schedule, teachers' information, and announcement.

Administrator

- Administrator could be the manager or administrator of the dance academy.
- Administrator has the full authorization of the system
- Administrator can enter, edit, update student's information and other data
- Administrator has the basic management authorization like updating on students information, schedule, announcement and fees paid
- Administrator can generate reports to show the business status of the school. The reports are in table form to enable better comparison and visualization. These reports would be able to show the management on the progress or downfall of the school.

In short there will be three main modules.

- View information : by Users
- Management tools : by the administrator of the school to help in administrative management tasks
- Report tools : by the administrator of the school to show the school's progress and status

1.5 Project Significance

The management from the dance academy, KK Dance School, will benefit from the success of this web based system. The web based system is important as to enable a better and more organized way in keeping track of the dance academy's daily business and its student's data. It will also allow an easier and more manageable management. Management will no longer need to go through papers of work and documentation which is time consuming.

Viewers will have an easy accessibility to all information of the dance academies. All information will be easily found from the internet.

Management functions in the system could be used to help in administrative tasks to support the studio's daily operations. This will increase the efficiency and capabilities of the studio.

Plus, reports could be generated automatically every month with a single click to view the school's progress and status. Reports are important to show the progress of the

business and at the same time help the administrator to plan for future actions that need to be taken to upgrade the business or to maintain it at a better state.

1.6 Expected Output

The system that will be developed will be able to allow viewing of information by viewers. Viewers can read the basic information about the academy form the internet.

The management will be able to use the management tools to help in management tasks as to support administrative operations with increased efficiency and capabilities.

Furthermore, the management will be able to generate reports automatically to view the school's progress and status. This will provide the capabilities for analyzing the progress of the business.

Overall, the system will be able to deliver an internet based system and help in improving the current manual system.

1.7 Conclusion

The web based system built will suit most small business enterprise companies and dance industry will be the focus of this project, KK Dance Studio. The system is entitled 'Dance School Management'. The system would be able to present viewer all related information about the academy as a normal website and at the same time allow the management of the school to be done online. There would also be reports generated for analyzing the academy's progress.

CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

This chapter will explain the literature review of the system which would include the current manual system, a system developed and a journal. The three findings will be explained thoroughly in the sub chapter below.

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The project methodology used in the project is also explained in this chapter. The system and software development methodology will be explained.

2.2 Facts and finding

2.2.1 Domain

The industry focused for the project is the dance industry. Dance industry in Malaysia serves as one of the education centre to students as well as adult other than tuition or development centers. Dance academies provide dance classes and training as well as workshops to educate the public on dance. Dance is a form of art as well as a

form of healthy exercise which is rapidly gaining popular demand and interest from the public.

2.2.2 Existing system

2.2.2.1 Manual System

Most of the dance academies in Malaysia including KK Dance School are still using manual system to store information and keep track of students' attendance as well as the payments made. Data are in hardcopy and kept in big files. The administrator in a certain dance academies normally accept payments and issue a manual receipt. The payment would then be stated in a record book. When there is an announcement to be made, the dance academies will need to print out hardcopies of announcement and paste it onto the notice board. Furthermore, if the dance academy plans to organize an event, it would be difficult to spread the news manually as it would only be able to be done mouth to mouth.

With the manual system, the school faces inconsistency and messiness especially when the dance academies expands and becomes bigger. There will be more students and data kept manually in files will not be advisable as getting information from selected files would be difficult and time consuming. Plus, it will be difficult to track students' performances and well as the payment made by them monthly.

Dance academies will need to slowly adapt to having a computerized system in order to keep their data safe, accurate and consistent. With a web based system, it will be able to help manage the dance academies better and at the same time, help market the dance academies.