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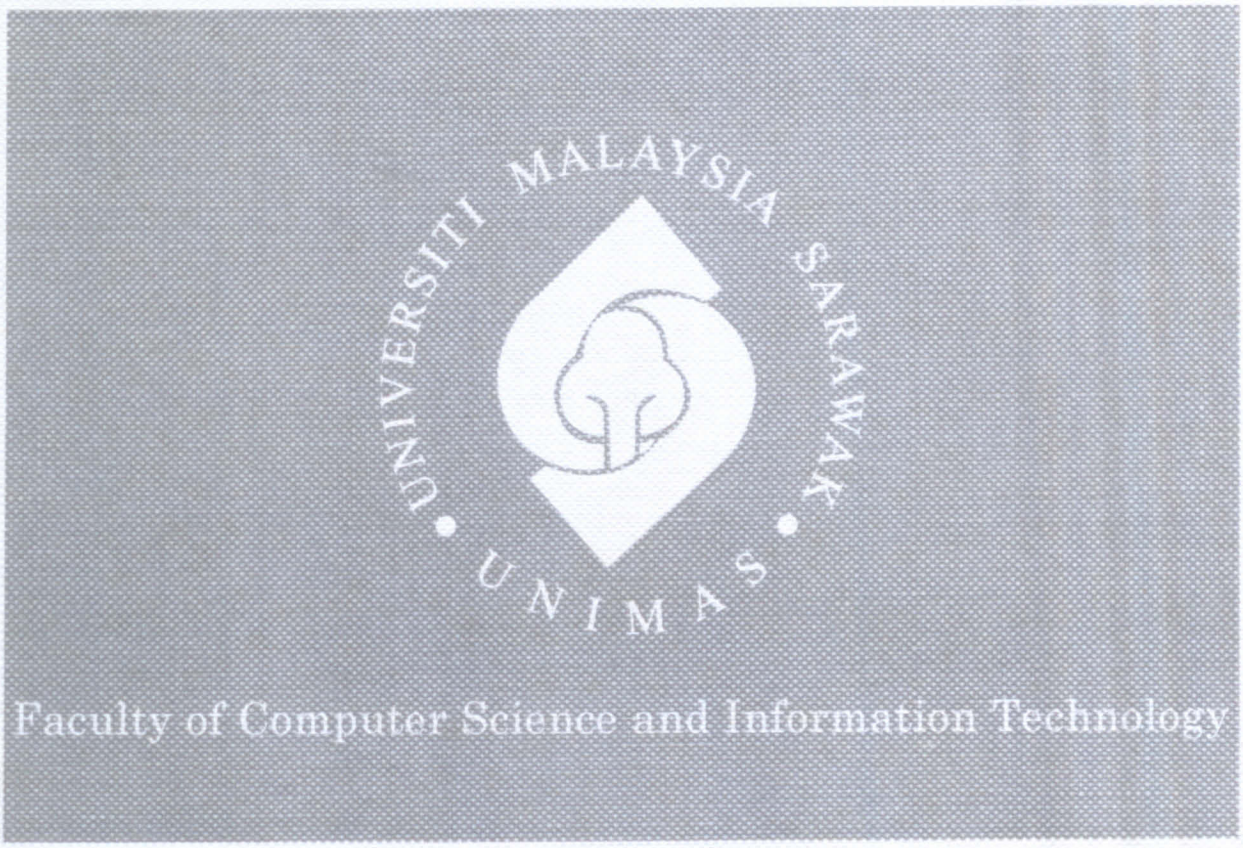

CONFERENCE ORGANISING CRITICS

Mandy Low Man Yee

Bachelor of Computer Science with Honours
(Software Engineering)
2014

Pusat Khidmat Maklumat Akademik
UNIVERSITI MALAYSIA SARAWAK

P.KHIDMAT MAKLUMAT AKADEMIK
UNIMAS
1000288581

CONFER r CRITICS

MANDY LOW MAN YEE

This project is submitted in partial fulfilment of the requirements for the degree of
Bachelor of Computer Science with Honours
(Software Engineering)

Faculty of Computer Science and Information Technology
UNIVERSITI MALAYSIA SARAWAK
2014

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MANDY LOW MAN YEE

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Ijazah Sarjana Muda Sains Komputer
(Kejuruteraan Perisian)

Fakulti Sains Komputer dan Teknologi Maklumat
UNIVERSITI MALAYSIA SARAWAK
2014

UNIVERSITI MALAYSIA SARAWAK

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ACKNOWLEDGEMENT

First and foremost, I would like to express my utmost gratitude to God, for His blessings. Indeed the completion of this thesis and the general attainment of my degree would not be possible without the wisdom and strength from Him.

I would also like to extend my utmost appreciation to my supervisor, Dr Edwin Mit for his continuous guidance and patience throughout this project. The knowledge that he has shared had been invaluable. It has been a great privilege and honor to work and study under his guidance.

Besides, I appreciate the help from my friends whom I had toiled these 4 years with. Their invaluable comment on my system has helped me in my designing and development process not forgetting all the laughter and tears shed throughout these years.

Last but definitely not the least, my deepest gratitude goes to my family who had never failed to shower me with their unconditional love. Their support and encouragement are my source of comfort. This thesis is also dedicated heartily to my grandmother, who took the lead back to where she belongs.

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ABSTRACT

Conference is a formal gathering of people that allows interactions between one another. Academic conference is one type of conference where they gathers academicians and/or graduating students from similar discipline coming together annually to present their research work and findings. At current, there is no such system that caters to the need of a chairperson based on a particular conference organization structure. Since every conference has different activities to be undertaken, a casual reminder application would not serve the needs of a conference chairperson fully. There are a lot of components, activities and events that needs to be carried out during the process of organizing a conference. Often, these critical components are left out unintentionally. Corrective measure taken may prove costly as many other components of the conference may be affected directly or indirectly. Hence, the proposed system aims to assist chairperson of a conference. This project will be a very personalized system that caters to a particular conference organization structure. It can be used extensively to remind of upcoming tasks, assigning committee and perform modification if necessary. This system also ensures the chairperson is aware of any conflict that occurs from the current activities based on a particular organization structure. This allows corrective measures to be taken as early as possible.

ABSTRAK

Persidangan adalah perhimpunan rasmi yang membolehkan interaksi antara satu sama lain. Persidangan akademik adalah satu jenis persidangan mengumpulkan para ahli akademik dan / atau para pelajar dari disiplin yang sama datang bersama-sama untuk mempersembahkan kerja-kerja penyelidikan mereka. Kebiasaannya, persidangan diadakan setiap tahun. Pada masa ini, tidak ada sistem yang dapat memenuhi keperluan seorang pengerusi berdasarkan struktur organisasi persidangan khusus. Dalam setiap persidangan terdapat aktiviti yang berbeza yang akan dijalankan, maka permohonan peringatan kasual tidak dapat memenuhi keperluan pengerusi persidangan dengan sepenuhnya. Terdapat banyak komponen, aktiviti dan peristiwa-peristiwa yang perlu dilakukan dalam proses menganjurkan persidangan. Selalunya, komponen kritikal akan ditinggalan secara tidak sengaja. Langkah pembetulan harus diambil dapat kadar segera kerana ia terbukti mahal sekiranya dialakukan pada akhir-akhir proses penganjuran. Hal ini disebabkan banyak komponen dalam satu persidangan yang boleh terjejas secara langsung mahupun tidak langsung. Oleh itu, sistem ini bermatlamat untuk membantu pengerusi persidangan. Ia boleh digunakan untuk mengingatkan tugas yang akan datang, dan melaksanakan jawatankuasa memberikan pengubahsuaian jika difikirkan. Sistem ini aussi Memastikan Pengerusi sedar akan konflik yang mungkin berlaku dari aktiviti-aktiviti semasa berdasarkan satu struktur organisasi khusus. Ini membolehkan langkah pembetulan diambil seawal mungkin.

CHAPTER 1: INTRODUCTION

1.1 Introduction

Conference is a formal gathering of people that allows interactions between one another. These groups of people usually come together for a common reason whereby the exchanging of ideas and raising concerns and views on mutual topic take place. According to B. Macek (B. Macek, et.al, 2012), conference provides important interactions: They foster the exchange of knowledge and enable face-to-face contacts between their participants for personal networking. There are many types of conferences depending on factors such as formality, size and communication form. Academic conference is one type of conference. This conference usually gathers academicians and/or graduating students from similar discipline coming together annually to present their research works and findings. According to R. Hodder (R. Hodder, et.al, 2013), participants present their work and ideas, while attendees react to those ideas, offering constructive criticism and making connections with other work.

1.2 Problem Statement

According to A. Tamera (A. Tamera, et.al, 2008), early and detailed planning are key factors in the delivery of a conference. Organising a conference requires a great amount of planning which involves a considerable amount of people for every task. At times, the chairperson may unintentionally left out critical activities or events that are scheduled to be done. These activities or events usually have a timeframe for completion as to ensure the conference

goes according to plan. At the course of the conference, the chairperson should be aware a minute-to-minute checklist which tells of every agenda.

Currently, there is no such system that caters to the needs of a chairperson based on a particular conference organisation structure. Since every conference has different activities to be undertaken, a casual reminder application would not serve the needs of a conference chairperson fully. There are a lot of components, activities and events that needs to be carried out during the process of organising a conference. Often, these critical components and etc. are left out unintentionally. Problems arise from this small mistake be it emerging directly or worse, in later stage. Corrective measure taken may prove costly as many other components of the conference may be affected directly or indirectly.

1.3 Objectives

i. To develop a system that will record and display the timeline for task/activities planned for the organising of the conference.

ii. To send reminder to the user of task/activities of the process of organising conference during the preparation phase of conference.

iii. To display the task/activities scheduled in a conference.

iv. To define and manipulate (add, edit, delete) the tasks assigned to each of the conference committee.

1.4 Brief Methodology

For this project, Object-Oriented Methodology will be used as a framework to carry out the system development. The stages involved are object-oriented analysis, object-oriented design and object-oriented implementation.

In object-oriented analysis, use case model will be developed. Through this, the user will be identified. The goals of the users and the system responsibility to its users will be documented. Besides, the system boundary is identified. Next, sequence diagram will be developed for every use cases identified previously. Lastly, class diagram will be developed whereby the classes, relationships, attributes and methods are identified.

In object-oriented design, the design axioms will be applied. The completion and finalisation of the class diagram done previously in the analysis phase is done by refining and completing the static UML diagram by adding details to the classes. Next, the access layer will be designed and refined. Lastly, the view later will be designed by identifying objects and applying design axioms and corollaries. Iteration and refinement on processes as mentioned will be carried out as needed.

In object-oriented implementation, prototype will be developed. The prototype will be used throughout the implementation phase and to be refined with features added iteratively. This is to obtain feedback from user on the prototype and its feature. Final product will then be developed and tested.

1.5 Scope

This project focuses on the usage of this system before the conference takes place and during the course of the academic conference. This system is suited to be used from the initial meeting until the post-mortem of the conference activities for the identification of missing components based on conference organization structure. Thus, this system is targeted for conference organisers in the context of academic conference.

1.6 Significance of Project

This project will be useful for the chairperson of a conference. This project will be a very personalized system that caters to a particular conference organization structure. It can be used extensively to remind of upcoming tasks, assigning committee and perform modification if necessary. This system also ensures the chairperson is aware of any conflict that occurs from the current activities based on a particular organization structure. This allows corrective measures to be taken as early as possible.

1.7 Project Schedule

Table 1.1: Project schedule

Tasks	Start Date	End Date
Phase 1: Planning	**11 Sept 2013**	**30 Oct 2013**
Preparation of brief project description	11 Sept 2013	21 Sept 2013
Preparation of project proposal	22 Sept 2013	19 Oct 2013
Submission of full project proposal	20 Oct 2013	20 Oct 2013
Submission of Chapter 1	30 Oct 2013	30 Oct 2013
Phase 2: Requirements Analysis	**30 Oct 2013**	**15 Nov 2013**
Identify the system domain	30 Oct 2013	2 Nov 2013
Research on literature review	30 Oct 2013	14 Nov 2013
Preparation of interview with user	7 Nov 2013	14 Nov 2013

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Submission of Chapter 2	15 Nov 2013	15 Nov 2013
Phase 3: Software Designs	**15 Nov 2013**	**20 Jan 2014**
Designing system flow	15 Nov 2013	1 Dec 2013
Designing initial user interface	15 Nov 2013	1 Dec 2013
Designing database	15 Nov 2013	1 Dec 2013
Submission of Chapter 3	2 Dec 2013	2 Dec 2013
Amendment and Modification on Chapter 1, 2 and 3	3 Dec 2013	11 Dec 2013
Submission of Full Report	12 Dec 2013	12 Dec 2013
Presentation of FYP 1	19 Dec 2013	21 Dec 2013
Amendment and Modification on FYP 1	23 Dec 2013	19 Jan 2014
Submission of Final Report	20 Jan 2014	20 Jan 2014
Phase 4: Implementation	**21 Jan 2014**	**07 Apr 2014**
Development of system	21 Jan 2014	27 Mar 2014
Unit testing on system	21 Jan 2014	27 Mar 2014
Submission of revised structure FYP Report & Gantt chart	24 Feb 2014	03 Mar 2014
Submission of Chapter 4	04 Mar 2014	07 Apr 2014
Phase 5: Testing	**28 Mar 2014**	**19 May 2014**
Performing system testing	28 Mar 2014	30 Apr 2014
Refinement on system	2 May 2014	19 May 2014
Submission of Chapter 5	28 Apr 2014	28 Apr 2014
Submission of Chapter 6	12 May 2014	12 May 2014
Submission of Final Report, source code, installation kits, user manual and Paper for Assessment	19 May 2014	19 May 2014

1.8 Expected Outcome

A system that will act as a reminder and reference for the user of every task/activities planned during the process of organising a conference. This system will be used as a minute-to-minute checklist that will display the agenda of the conference to be used during the conference. Due to the overwhelming task that needs to be undertaken by the chairperson, a system that serves as a tool in identifying the fault or missing components, activities, events and etc during the process of organising conference will be expected. The identification process should start from the initial meeting until the post-mortem of the conference activities. The system should be

able to identify process that will be carried out based on the conference organization structure. Thus, this system will act as a handy reminder for user to ensure the task/activities do not conflict with the particular conference organization structure.

1.9 Conclusion

In conclusion, this project aims to ease conference organiser acting as a critic when a missing task or activity is left out. This system should be used at the whole course of the conference from the initial planning towards during the ongoing of the conference.

1.10 Project Report Outline

Chapter 1: Introduction

This chapter discusses the whole idea of this project; from the problem which evokes the idea to carry out this project to the expected outcome at the end of this project. It also describes the objectives of this project, the motivation behind this project and how this project contributes to the target user.

Chapter 2: Literature Review

This chapter will review the current details and explanation of the project. Research and comparison will be made with other system/features. From the thorough research done, relevant strengths will be adopted, improvement will be made on the weaknesses and project architecture will be drawn up with description.

Chapter 3: Requirement Analysis and Design

This chapter covers the analysis which includes elicitation, analysis and specification and description of the output of analysis. These are done through use case, use case scenario and sequence diagram and class diagram. Next in design phase, class diagram is refined, operation algorithm is defined, the initial UI and also the access layer.

Chapter 4: Implementation and Testing

This chapter discusses the implementation environment and justification on the decision/tools selected. It also describes the constraints that may make this product fail. Besides, in the testing phase, the test cases will be drawn up to test the features.

Chapter 5: Evaluations and Discussion

This chapter will discuss on non-functional testing performed. The testing conducted was a Usability testing. The results obtained are interpreted and discussed.

Chapter 6: Conclusion and Future Works

This chapter discusses the contribution of the final product. Limitations of the product are also discussed. This chapter then concludes the motivations, approach, results, benefits and future works of the project

CHAPTER 2: LITERATURE REVIEW

2.1 Introduction

This chapter discusses the literature review on existing systems that are similar to the proposed system. The existing systems will be reviewed and compared based on the functionalities. Advantages and limitations of each system will be discussed. Next, the adoptions of suitable features or functionalities into the proposed system will also be discussed.

2.2 Reviews on Existing Systems

As follows are reviews on four existing system whereby two are conference management applications while another two are critic systems. Conference management applications assist in managing and organising a conference. The following conference management applications that will be discussed can assist the conference organiser in managing the conference while it also assists conference attendees in obtaining updated conference information. Critic system on the other hand is software that will provide critic to the user once violation of definition of critic is detected. The two critic systems that will be reviewed are UML-based critic where user will be alerted by the system if designing issues are detected.