IWED SMART PLANNER MOBILE APPLICATION SYSTEM

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BORANG PENGESAHAN STATUS TESIS*

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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 2015



DECLARATION

I hereby declare that this project report entitled IWED SMART PLANNER MOBILE APPLICATION 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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DEDICATION

To my beloved parents.

"As we express our gratitude, we must never forget that the highest appreciation is not to utter words, but to live by them."

- John F. Kennedy

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It is well-known as a greatest cliché to write the "biggest thanks" for your supervisor in the acknowledgement section for any supervised report. And even thought I despise to begin my dissertation with any kind stereotype, I have to admit that my supervisor, Dr. Sabrina Ahmad is the person that I should express my highest gratitude for not just her guidance but also her enthusiasm, support and reassurance during the completion of this project document. Without her as my supervisor, I am sure this project still in the middle of nowhere.

Apart from that, I would also like to thank my lecturers and friends for their support and understanding especially those who have taken time to advice upon and proof read this document.

Last but not least, I would like to express my deepest love and gratitude to my beloved parents for giving me unlimited encouragement during my studies in Universiti Teknikal Malaysia Melaka (UTeM).

ABSTRACT

iWed Smart Planner mobile application system would serve as a guide for a bride and groom in juggling budgets, bookings, suppliers and to-do lists on a daily basis. Therefore, by providing the details that user needs to know into the application it will help customer to make choices. iWed Smart Planner consists of four modules. Checklist module is the module which user can add, update and delete the to-do list. Bride and groom also can update the same checklist. Promotion module is for user to search wedding planner vendor for example package, price and this application will provide the details for every vendors. It also will guide users to the location and preferences of vendors using Google map. iWed Smart Planner also provides budget calculator module for bridal to calculate their expenses. Bridal can keep track their budget when they enter all of their actual wedding costs. Last but not least, wedding shop module help owner of shop to keep update their promotion for the couple.

ABSTRAK

Sistem aplikasi mudah alih iWed Smart Planner menjadi panduan untuk pengantin perempuan dan pengantin lelaki dalam merancang perbelanjaan, tempahan, pembekal dan tugasan senarai untuk persiapan perkahwinan. Oleh itu, dengan menyediakan maklumat-maklumat yang berguna menerusi aplikasi ini dapat membantu pengguna untuk membuat pilihan dengan efektif. iWed Smart Planner terdiri daripada empat fungsi. Fungsi Senarai Semak adalah modul yang membolehkan pengguna menambah, mengemaskini dan memadam senarai tugasan. Pengantin perempuan dan pengantin lelaki juga boleh mengemaskini senarai semak yang sama. Modul promosi adalah untuk memudahkan pengguna mencari vendor perkahwinan yang menyediakan pakej perancang contohnya harga dan aplikasi ini akan memberikan butir-butir bagi setiap vendor. Ia juga akan membimbing pengguna ke lokasi dan pilihan vendor menggunakan Peta Google. iWed Smart Planner juga menyediakan fungsi kalkulator untuk mengira perbelanjaan pengguna. Akhir sekali, pemilik butik pengantin boleh mengemaskini promosi-promosi yang terbaru kepada bakal pengantin.

TABLE OF CONTENTS

CHAPTER	SU SU	BJECT	PAGE
	DEC	LARATION	ii
	DED	ICATION	iii
	ACK	NOWLEDGEMENT	iv
	ABS	TRACT	v
	ABS	TRAK	vi
	TAB	LE OF CONTENTS	vii
	LIST	T OF TABLES	xi
	LIST	T OF FIGURES	xii
	LIST	T OF ABBREVATIONS	xiv
	LIST	T OF APPENDICES	XV
CHAPTER	INTI	RODUCTION	1
I			
	1.1	Project Background	1
	1.2	Problem Statement	2
	1.3	Objective	3
	1.4	Scope	3
	1.5	Project Significance	4
	1.6	Expected Output	5
	1.7	Conclusion	5
CHAPTER II	LITI	ERATURE REVIEW & PROJECT METHODOLOGY	Y 6
	2.1	Introduction	6
	2.2	Facts & Findings	6
		2.2.1 Domain	7

				viii
		2.2.2	Existing System	7
			2.2.2.1 Related Research	7
			2.2.2.2 Existing Android Application	8
	2.3	Proje	ct Methodology	12
		2.3.1	Database Life Cycle	13
	2.4	Proje	ct Requirements	14
		2.4.1	Software Requirement	14
		2.4.2	Hardware Requirement	15
		2.4.3	Other Requirements	15
	2.5	Proje	ct Schedule & Milestones	15
	2.6	Concl	usion	18
CHAPTER	ANA	LYSIS		19
III				
	3.1	Intro	duction	19
	3.2	Probl	em Analysis	19
		3.2.1	Current System Analysis	20
		3.2.2	Detailed Problem Statement	20
		3.2.3	To-Be System Analysis	21
	3.3	Requi	irement Analysis	32
		3.3.1	Data Requirement	32
		3.3.2	Functional Requirement	32
		3.3.3	Non-Functional Requirement	33
	3.4	Concl	usion	36
CHAPTER IV	DESI	IGN		37
	4.1	Intro	duction	37
	4.2	High-	Level Design	37
		4.2.1	System Architecture	38
		4.2.2	•	38
		4.2.3		54
			4.2.3.1 Conceptual & Logical Database Design	54
	4.3	Detail	led Design	57

			ix
		4.3.1 Physical Database Design	57
	4.4	Conclusion	58
CHAPTER V	IMP	LEMENTATION	60
	5.1	Introduction	60
	5.2	Software Development Environment Setup	61
		5.2.1 Environment Setup	61
	5.3	Software Configuration Management	62
		5.3.1 Configuration Environment Setup	62
		5.3.2 Version Control Procedure	64
	5.4	Implementation Status	65
	5.5	Conclusion	66
CHAPTER VI	TES	TING	67
	6.1	Introduction	67
	6.2	Test Plan	67
		6.2.1 Test Organization	68
		6.2.2 Test Environment	68
		6.2.3 Test Schedule	69
	6.3	Test Strategy	69
		6.3.1 Classes of Tests	70
	6.4	Test Design	71
		6.4.1 Test Description	71
		6.4.2 Test Data	78
	6.5	Test Results and Analysis	79
	6.6	Conclusion	79
CHAPTER VII	PRO	JECT CONCLUSION	80
	7.1	Observation On Weaknesses And Strengths	80
	7.2	Propositions For Improvement	81

7.3	Project Contribution	82
7.4	Conclusion	82
REFERENCES		83
BIBLIOGRAPHY		85
APPENDICES		86

LIST OF TABLE

TABLE	TITLE	PAGE
2.1	Strength & Weaknesses of Existing System	11
2.2	Benefit of iWed Smart Planner mobile application	12
2.3	Milestone for Projek Sarjana Muda	16
3.1	Functional Requirement	33
3.2	Non- Functional Requirement (i)	34
3.3	Non- Functional Requirement (ii)	34
3.4	Non- Functional Requirement (iii)	35
3.5	Non- Functional Requirement (iv)	35
3.6	Non- Functional Requirement (v)	35
4.1	Table Admin	52
4.2	Table Concept	52
4.3	Table Vendor	53
4.4	Output Design	53
4.5	Data Dictionary for Admin Table	56
4.6	Data Dictionary for Vendor Table	56
4.7	Data Dictionary for Concept Table	57
4.8	Physical Database Design	58
5.1	Version Control Procedure 1.0	64
5.2	Version Control Procedure 2.0	65
5.3	Implementation Status	66
6.1	The Responsibility of Personnel in Testing Process	68
6.2	Test Schedule	69
6.3	Test Cases	72
6.4	Test Results and Analysis	79

LIST OF FIGURES

FIGURE	TITLE	PAGE
2.1	Existing System work flow	9
2.2	Existing System work flow	10
2.3	Existing System work flow	11
2.4	Database Life Cycle (DBLC)	14
3.1	Use Case Diagram	22
3.2	Activity Diagram Registration	23
3.3	Activity Diagram Login	24
3.4	Activity Diagram Update Promotion for Vendor	25
3.5	Activity Diagram Manage Checklist	26
3.6	Activity Diagram Search Promotion	27
3.7	Activity Diagram Estimate Wedding Cost	28
3.8	Sequence Diagram Login	29
3.9	Sequence Diagram Registration	29
3.10	Sequence Diagram Update Promotion/Package	30
3.11	Sequence Diagram Manage Checklist	30
3.12	Sequence Diagram Search Promotion/Package	31
3.13	Sequence Diagram Estimate Cost	31
4.1	iWed Smart Planner System Architecture	38
4.2	Navigation Design for iWed Smart Planner	39
4.3	Main Menu for iWed Smart Planner	40
4.4	Main Menu for iWed Smart Planner (Bride & Groom)	40
4.5	Checklist Main (Bride & Groom)	41
4.6	Notepad (Bride & Groom)	41
4.7	New Reminder (Bride & Groom)	42
4.8	Budget Calculator (Bride & Groom)	42
4.9	Promotion Main Menu (Bride & Groom)	43
4.10	Concept Promotion (Bride & Groom)	43

		xiii
4.11	Concept Detail (Bride & Groom)	44
4.12	List of Vendor (Bride & Groom)	44
4.13	Vendor Detail (Bride & Groom)	45
4.14	Navigation (Bride & Groom)	45
4.15	Available Navigation (Bride & Groom)	46
4.16	Available Navigation Detail (Bride & Groom)	46
4.17	Available Location (Bride & Groom)	47
4.18	Google Map (Bride & Groom)	47
4.19	Login (Wedding Shop)	48
4.20	Register (Wedding Shop)	48
4.21	Main Menu (Wedding Shop)	49
4.22	Manage Vendor (Wedding Shop)	49
4.23	Add New Vendor (Wedding Shop)	50
4.24	List Vendor (Wedding Shop)	50
4.25	Manage Promotion (Wedding Shop)	51
4.26	Add New Promotion (Wedding Shop)	51
4.27	List Promotion (Wedding Shop)	52
4.28	ERD for iWed Smart Planner	54
5.1	WampServer Setup	63
5.2	phpMyAdmin	63
6.1	Analysis for User Acceptance Testing	76
6.2	Analysis for User Acceptance Testing	76
6.3	Analysis for User Acceptance Testing	77
6.4	Analysis for User Acceptance Testing	77
6.5	Analysis for User Acceptance Testing	78
6.6	Analysis for User Acceptance Testing	78

LIST OF ABBREVIATIONS

ADT - Android Development Tools

DBLC - Database Life Cycle

- Database Management System **DBMS**

ERD - Entity Relationship Diagram

FΚ - Foreign Key

HLD - High Level Design

PK - Primary Key

PHP - PHP Hypertext Preprocessor

- Projek Sarjana Muda **PSM**

RAD - Rapid application Development

- Universiti Teknikal Malaysia Melaka UTeM

WAMP - Windows, Apache, MySQL and PHP

LIST OF APPENDICES

APPENDICES	TITLE	PAGE
A	Gantt Chart	86
В	User Manual	88
C	Report of Turnitin	93

CHAPTER I

INTRODUCTION

1.1 Project Background

In the era of globalization, mobile phones play an important role in communication and it is one of the most popular communication tools. Surfing the internet has become a common practice in daily life rather than making a call and texting. As they are easier to carry and use at any place, many applications have been developed to support people working and living. The application named 'iWed Smart Planner' would serve as a guide for a bride and groom in juggling budgets, bookings, suppliers and to-do lists on a daily basis.

Therefore, by providing the details that user needs to know into the application it will help customer to make choices. iWed Smart Planner consists of four modules. Checklist module is the module which user can add, update and delete the to-do list. Bride and groom also can update the same checklist. They can check off items as completed from things they need to take care of months ahead of time and can create different notes for each stage of planning. Promotion module is for user to search wedding planner vendor for example package, price and this application will provide the details for every vendors. It also will guide users to the location and preferences of vendors using Google map. They also can save and compare their favourite wedding vendors to help them choose vendor team. Besides, user can keep track of their completed bookings and store their team's contact information.

iWed Smart Planner also provides budget calculator module for bridal to calculate their expenses. Bridal can keep track their budget when they enter all of their actual wedding costs. Last but not least, wedding shop module help owner of shop to keep update their promotion for the couple.

1.2 Problem Statement

1. Data lost easily.

With the usage of this application, unnecessary usage of paper resource to do list can be reduced.

2. Financial problem or budget overflow.

Bride and groom tend to spend carelessly for their wedding as they did not have guide on how to estimate their wedding expenses.

3. Hard to find and compare the wedding vendors.

User cannot reviewed wedding vendors as they did not have application which they can rate the vendors. Besides, user cannot keep track of their completed bookings and store their team's contact information.

4. The wedding shop/vendor do not have suitable platform to promote their business.

The owner of shop do not have suitable platform to update the wedding's promotion for the couple.

1.3 Objective

1. To store and backup data in a systematic way.

Bride and groom can update the same checklist. They can check off items as completed from things they need to take care of months ahead of time and can create different notes for each stage of planning.

2. To reduce the risk of overflow budget.

iWed Smart Planner provides budget calculator module for bridal to calculate their expenses. Bridal can keep track their budget when they enter all of their actual wedding costs.

3. To keep track available wedding vendors.

User can search wedding planner vendor for example package, price and this application will provide the details for every vendors. It also will guide users to the location and preferences of vendors using Google map. They also can save and compare their favourite wedding vendors to help them choose vendor team. Besides, user can keep track of their completed bookings and store their team's contact information.

4. To ease wedding shop/ vendor update their information.

Owner can update their wedding promotion at anytime and anywhere.

1.4 Scope

The scope of this project is focus on how to help bride-to-be and groom-to-be in juggling budgets, bookings, suppliers and to-do lists on a daily basis. The result of this project is to make sure the iWed Smart Planner application can brings more efficient and benefits for bridal as well as wedding shop.

Modules:

1. Checklist module

Module in which user can add, update and delete the to-do list. Bride and groom also can update the same checklist. They can check off items as completed and create different notes for each stage of planning.

2. Promotion module

User can search for promotion of wedding planner vendor such as package; price and this application will provide the details for every vendor. Besides, it can guide users to the location and preferences of vendors using Google map.

3. Budget Calculator module

For user wedding expenses, it provides calculation for bridal to calculate their expenses. Bridal can keep track their budget when they enter all of their actual wedding costs.

4. Wedding shop module

Help owner of shop to keep update their promotion for the couple.

1.5 Project Significance

This project purposely develops for bridal and wedding planner who encounters lots of problems when planning for an occasion. This application will serve as a guide for a bride and groom in juggling budgets, bookings, suppliers and to-do lists on a daily basis. Owner of wedding shop also can update their promotion for the couple through this application.

1.6 Expected Output

This project developed to make sure the process of planning a wedding runs smoothly. The function of this application is to help bridal so that their planning and expenses are more efficient and effective. It also help bridal boutique in term of updating their wedding promotion. The location of the project is focus on Malaysia only.

1.7 Conclusion

Based on the problem faced by the user, iWed Smart Planner will provide ways on how to overcome problems. As mentioned in the introduction, the objective of iWed Smart Planner to store and backup data more systematically, to prevent overflow of budget, and to keep track available vendors. Wedding shop also can update their wedding promotion at anytime and anywhere. This chapter has introduced the introduction, problem statement, objective, scope, project significance and expected output to give a better understanding of the project. Literature reviews, fact and findings, project methodology and project requirement will be explained in Chapter II.

CHAPTER II

LITERATURE REVIEW AND PROJECT METHODOLOGY

2.1 Introduction

The objective of the literature review is to explain the development of iWed Smart Planner application and to generally point out the domain, fact finding, related existing system and modules needed in the development of this project. A variety of information is collected literally and empirically to increase the understanding of user requirement and expectation toward the system.

The first section is about the domain of iWed Smart Planner while the second section provides an overview of the related existing system as the references of iWed Smart Planner application. Next section describes the project methodology used in this system, while the project requirement will define the needed of software and hardware. This chapter also will provide the project schedule and milestones. The significance of each section will be explained at the end of this chapter.

2.2 Facts & Findings

The discovery of facts and findings explain about what the existing system can do and what the problems that arise. Hence, it can help users to choose which set of options is suitable for their system (Yeates and Wakefield, 2004).

2.2.1 Domain

In the history of commerce and trade, applications are the fastest growing consumer segment which gives lots of benefit to users. It is a new way on how we engage with everyone as 2000 mobile applications are developed and published every day.

The domain of the project is to invent the android application system. This system is developed to help bride-to-be and groom-to-be in preparation of their wedding by using their smart phones. This system is categorized as domain because it involves a checklist module, promotion module, budget calculator module and wedding shop module.

2.2.2 Existing System

2.2.2.1 Related Research

Planning a wedding is the most complicated task people ever undertake. Michael Massimi et al. (2014) stated that there are four ways how technology help people in term of allowing how much planning work become effective, easy navigation in handling guest list, creating awesome event and allows the couple reexperiencing the wedding by documenting their photos.

A special event that set apart from the every day is one of the wedding's features that widely accepted. This requires tons of effort and months of dedicated times. Various facilities and technology will be used in this process. "A customer for life" is the objective of competitive multimillion dollar affair to acquire clients (Mead, 2008). Garfinkel (1967) stated in his research that technologies used to plan, recall weddings, augment, document, and organize ahead of time things needed for the occasion. Bachelor or bachelorette parties are hold by the engaged couple before lead-up to actual ceremony (Whyte, 1990).