TOUR PLANNING SYSTEM FOR THE CITIES MUNICIPALITIES OF CAVITE

Thesis

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ABSTRACT

FUGOSO, CHRISTY D. and TANGGOL, MHELBETH S. Tour Planning System for the Cities and Municipalities of Cavite. Undergraduate Thesis, Bachelor of Science in Computer Science. Cavite State University, Indang Cavite. March 2011. Adviser: Mr. Mark Steve V. Poniente.

The study was conducted to create an on-line system entitled "Tour Planning System" which is capable of generating optimal path through different tourist spots in Cavite. The system features an integrated Open Street Map wherein users such as tourists and visitors, can identify routes and obtain informations about these places. Through this, tour planning around every tourist establishments in Cavite is possible.

In the development of the study, the proponents used Prototyping Development Approach Methodology which includes planning, analysis, architectural design, prototype analysis and design, prototype construction, prototype testing and evaluation and additional implementation.

In creating the system, Windows Vista Home Basic was used as the operating system, MySQL Database System (version 5.1) for the database, PHP (Hypertext Preprocessor) as the programming language, Wamp Server 2.0 as the local server, Adobe/Macromedia Dreamweaver for project management and 2007 Microsoft Component for the documentation.

The software was evaluated and all the criteria and objectives were satisfied.

TABLE OF CONTENTS

	Page
TITLE PAGE	i
BIOGRAPHICAL DATA	ii
ACKNOWLEDGEMENT	iii
ABSTRACT	vi
LIST OF TABLES	ix
LIST OF FIGURES	x
LIST OF APPENDICES	xi
INTRODUCTION	1
Statement of the Problem	2
Theoretical Framework	4
Importance of the Study	6
Objectives of the Study	6
Time and Place of Study	7
Scope and Limitation of Study	7
Definition of Terms	9
REVIEW OF RELATED LITERATURE AND STUDIES	10
Review of Related Literature	10
Review of Related Studies	18
MATERIALS AND METHODS	24
Materials	24
Methodology	24

RESULTS AND DISCUSSION 32

Problem Identification on Tour Planning in Cavite 32

Illustration and Analysis of the Problem 32

Planning. 33

Analysis. 33

Prototype Analysis and Design. 33

Prototype Construction. 34

Software Evaluation 42

SUMMARY, CONCLUSION AND RECOMMENDATION 51

Summary 51

Conclusion 52

Recommendation 53

BIBLIOGRAPHY. 54

APPENDICES. 57

LIST OF TABLES

Table		Page
1	Features of Related System and the Proposed System	22
2	Contribution of the Related Studies with the Proposed System	23
3	Breakdown of Respondents	30
4	Results of Software Evaluation	43
5	Assessment of Respondents on User-friendliness of the Software	44
6	Assessment of Respondents on Reliability of the Software	45
7	Assessment of Respondents on Consistency of the Software	46
8	Assessment of Respondents on Accuracy of the Software	47
9	Assessment of Respondents on Efficiency of the Software	48
10	Overall assessment of the software	49

LIST OF FIGURES

Figure		Page
1	Theoretical Framework - Tour Planning System for the Cities/Municipalities of Cavite	5
2	Prototyping Development Approach Model	26
3	Screen layout of Tour Planning System home page.	37
4	Screen layout of Tour Planning System category page	38
5	Screen layout of Tour Planning System generate tour page	39
6	Screen layout of Tour Planning System about page	40
7	Screen layout of Tour Planning System help page	41

LIST OF APPENDICES

Appendix			Page
A	Figures		58
	1	Cause and Effect diagram on optimal route identification	59
	2	Cause and Effect diagram on unknown directions	60
	3	Cause and Effect diagram on travel informations to different places in Cavite	61
	4	Gantt chart for the time schedule of the study	62
	5	Data Flow diagram	63
	6	Entity Relationship Diagram	64
	7	Structure Chart of Entire System	65
	8	Structure Chart of Spot Finder Module	66
	9	Structure Chart of Generate Tour Module	67
	10	Structure Chart of Travel Guide Module	68
	11	Hierarchical Input Process Output Diagram	69
	12	Input Process Output Diagram of Home Page	70
	13	Input Process Output Diagram of Places Page	71
	14	Input Process Output Diagram of Spot Finder	72
	15	Input Process Output Diagram of Generate Tour Page	73
	16	Input Process Output Diagram of About Page	74
	17	Input Process Output Diagram of Help Page	75
B	Interview Report		76

C Pseudo code. 81

D Results of Unit Testing 83

E System Test Checklist. 90

F Sample Acceptance Test Evaluation Form 93

TOUR PLANNING SYSTEM FOR THE CITIES/MUNICIPALITIES OF CAVITE

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INTRODUCTION

Cavite province is located south of Luzon covering a land area of 142, 706 hectares and is rich in historical places and natural resources. This is the primary reason why local and foreign tourists or investors visit the province for relaxation and business ventures. In fact, 51,096 visitors arrived in the province from January to June 2008 only and 18,434 or 36.07% of them are foreign visitors (Socio Economic Profile, 2008).

Composed of 19 towns and 4 cities with a number of tourists' attractions, historical sites, museums, golf courses, mountains, industrial states and churches there could be multiple places to sought-after in the province (Socio Economic Profile, 2008). The Traveling Salesperson Problem (TSP) could best represent the problem of finding the