Declaration

"I certify that this dissertation does not incorporate, without acknowledgement, any material previously submitted for a Degree or Diploma in any University and to the best of my knowledge and belief, it does not contain any material previously published or written by another person or myself except where due reference is made in the text. I also hereby give consent for my dissertation, is accepted, to be made available for photocopying and for interlibrary loans, and for the title and summary to be made available to outside organizations."

.....

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Preamble

Abstract

The aim of developing the M.Sc final project is to fulfill the partial requirement for the award of the degree of Master of Science in Information Technology from University of Moratuwa, Sri Lanka. The topic selected for the final project is to implement a web - mobile based management system for a real estate company. Though, the system has been designed to provide real system management functionalities to Ceylinco Prosperity (P) Ltd, the completed system would help any real estate company to manage most of its real estate activities, since the real estate functionalities are similar to all real estate companies. The proposed system will manage the real estate activities efficiently and effectively. The comparison of the efficiency of the implemented system against the manual system has been calculated and results are documented later, which clearly identifies that the implemented system is way superior to the manual system.

Living in the world of customer oriented business development, it is always essential to take into account the clients satisfaction for any solution provided by the organization. The proposed web - mobile based system will increase the client satisfaction, as it will provide real estate functionalities to its clients around the clock 24x7 and will allow them to gain access to the real estate functionalities provided from anywhere.

The report will cover in detail, activities undertaken in all phases of the software development process, like primary and secondary research, analysis, design, development and testing of the system. This report will also cover a thorough analysis of tools and techniques used to develop the new real estate management system and features implemented in the new system. Since a manual system was studied to implement this project the description on the existing system and how processes work and problems faced by the organization and solutions to overcome the problems faced are also discussed in this document. The report also documents various test scenarios performed to validate and verify the web-mobile based real estate management system.

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Since most of the activities in real industry have to be performed manually, the scope of this project was limited to the operations that can be automated. The objective of this project is to provide Ceylinco prosperity (P) Ltd a system that will enable them to carry out their real estate activities better than the manual system currently in use. The system designed and developed will also enable any real estate organization to use and perform their real estate activities and to be the market leader and gain competitive edge over its competitors.

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List of Acronyms and Abbreviations

ABBREVIATION	DESCRIPTION
IT	Information Technology
UDA	Urban Development Authority
W3C	World Wide Web Consortium
HCI	Human Computer Interaction
Web ML	Web Modeling Language
CSE	Colombo Stock Exchange
UML	Unified Modeling Language
SMTP	Simple Mail Transfer Protocol
FTP	File Transfer Protocol
POP3	Post Office Protocol
IMAP	Internet Message Access Protocol
TELNET	Terminal emulation
MIME	Multipurpose Internet Mail Extensions
IIS	Internet Information Server
PHP	Hyper Text Pre-Processor
SSL	Secure Socket Layer
ASP	Active Server Pages
HTTP	Hyper Text Transfer Protocol
JSP	Java Server Pages
XHTML MP	Extensible Hyper Text Markup Language – Mobile Profile
WML	Wireless Markup Language
WAP	Wireless Access Protocol
CSS	Cascading Style Sheets
XML	Extensible Markup Language
LAMP	Linux, Apache, MySQL, PHP
B2C	Business to Customer

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I dedicate this work to my late father.

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