ONLINE BASED MAPPING DIRECTORY SYSTEM FOR UNITED MOONWALK VILLAGE HOMEOWNERS ASSIOCIATION, INC. (UMVHAI)

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He finished his elementary education at Golden Acres Elementary School in 2009. He graduated from secondary education at Golden Acres National High School in 2014. Then, he took his tertiary education at Cavite State University - Bacoor City Campus with the course of Bachelor of Science in Computer Science. He obtained his bachelor’s degree in June 2019

BIOGRAPHICAL DATA

Ms. Jenny S. Maluping was born on the 9th day of June 1997. She is the fifth child among the seven children of Mr. Emmanuel Maluping and Mrs. Jocemay Maluping. She is currently residing at Moonwalk, Talon Singko, Las Piñas City.

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ABSTRACT

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The study was conducted to develop an Online Based Mapping Directory System for United Moonwalk Village Homeowners Association Inc., (UMVHAI). The software was developed for the benefit of the visitors and homeowners of the UMVHAI. The system provides functionality that would allow the employee to search homeowners name and locate them. The system also provided the account for administrator and employee to manage and access the system.

Fourth Generation Technology was used as the development methodology of the software. It has four parts of development: the requirements gathering, design strategy, implementation using Fourth Generation Language (4GL), and testing.

The software requirements for building the system were Adobe Photoshop Creative Suite 6 (CS6) for the graphical user interface, Aeronautical Reconnaissance Coverage Geographic Information System (ArcGIS) Online for Two Dimensional (2D) map of the system, Cascading Style Sheet (CSS) and Hypertext Mark-up Language (HTML) for the design of the system, Hypertext Pre-processor (PHP) as programming language and JavaScript as the scripting language, Sublime text for editing code, My Structured Query Language (MysQL) as the database of the system. Microsoft Office Word 2013 was used for the documentation of the study and Cross-Platform, Apache, MariaDB, PHP and Perl (XAMPP) were used as the server of the system.

The system was evaluated using World Wide Web Consortium (W3C), based on the given criteria: perceivable, operable, understandable and robust. Evaluators were composed of the homeowners, UMVHAI staff, Department of Computer Studies staff and Information Technology (IT) professionals. All the given criteria of evaluation,

functionality of the system as well as the requirements and objectives were met. The system got a grand mean of 4.49 interpreted as excellent which means that the system passed all the necessary criteria and satisfied all the evaluators.

The system was able to provide necessary information and enhanced the process of searching houses, location and directions of homeowners inside the village. The development of this system, visitors would ease the burden the time consuming of searching the location of homeowner

The performance and acceptability of the system was based on the W3C, which evaluated with the following criteria: Perceivable, Operable, Understandable, and Robust. System evaluation were composed of: UMVHAI Staffs, Homeowners, IT Professionals and DCS Instructors within Cavite State University – Bacoor City Campus and Apollo IV Talon Singko (5), Moonwalk Village Las Pinas City. Based on the overall rating of the software, software received a general mean of 4.49 which interpreted as “Excellent”. All given criteria of the evaluation and target features and performance as well as the requirements and objectives of the system were met. Which means that the software is capable of five criteria of W3C.

To the future researcher that wants to develop the study, the Barcode Scanner for Temporary Identification Identity (ID) and Temporary Card are recommended to help the system.

TABLE OF CONTENTS

Page

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDIX TABLES

LIST OF APPENDIX FIGURES

LIST OF APPENDICES