LAND TAX AND LAND MAPPING INFORMATION SYSTEM WITH DECISION-RULE-BASED LAND CLASSIFICATION

An Undergraduate Thesis

Presented to the Faculty of the

College of Information and Communications Technology

West Visayas State University

La Paz, Iloilo City

In Partial Fulfillment

of the Requirements for the Degree

Bachelor of Science in Information Systems

by

Rence Ahne L. Barigues

Ma. Romela Q. Prandas

Mary Hope E. Tabunlupa

Adrian James G. Tomas

Mike Joseph A. Velez

June 2024

Approval Sheet

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Adrian James G. Tomas

Mike Joseph A. Velez

Approved:

DR. REGIN A. CABACAS

Adviser

DR. REGIN A. CABACAS DR. MA. BETH S. CONCEPCION

Chair, Information Systems Dean, CICT

June 2024

# Acknowledgment

The researchers would like to express their deepest appreciation to the following persons, who in one way or another have made this work possible:

We express our deepest gratitude to Sir Regin Cabacas, our dedicated thesis adviser, for his unwavering support, guidance, and invaluable insights throughout the research process. His expertise and encouragement have been instrumental in shaping the direction and quality of this thesis.

Our heartfelt appreciation goes to our parents, whose unconditional love, encouragement, and financial support have been the cornerstone of our academic journey. Their sacrifices and belief in our capabilities have been a constant source of motivation.

We would like to express our collective gratitude to the esteemed panel members, for their valuable advice, critical insights, and constructive recommendations. The diverse perspectives they offered have significantly contributed to the refinement and improvement of our research.

A special acknowledgment is extended to the West Visayas State University College of Information and Communications Technology for providing the necessary resources and fostering an environment conducive to our collective academic growth.

We would also like to thank the Pototan Assessors Office, our partner organization, for their collaboration and support throughout the data collection process. Their cooperation has enriched the practical aspects of this study.

Finally, we extend our sincere thanks to all individuals who, in various capacities, contributed to this academic endeavor. Your support, whether through advice, encouragement, or collaboration, has been invaluable. Thank you to each person and organization mentioned for playing a crucial role in our success.

Rence Ahne L. Barigues

Ma. Romela Q. Prandas

Mary Hope E. Tabunlupa

Adrian James G. Tomas

Mike Joseph A. Velez

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Rence Ahne L. Barigues; Ma. Romela Q. Prandas; Mary Hope E. Tabunlupa; Adrian James G. Tomas; Mike Joseph A. Velez; “Land Tax and Land Mapping Information System with Decision-rule-based Land Classification”. Unpublished Undergraduate Thesis, Bachelor of Science in Information Systems, West Visayas State University, Iloilo City, Philippines, June 2024.

# Abstract

This study presents a Land Tax and Land Mapping Information System with Decision-rule-based Land Classification which aims to establish a web-based transaction platform between the Municipal Assessor's office and land owners. Specifically, the main objective is to perform efficient transactions, enhance convenience for landowners, and provide the functionality to determine whether the existing land is classified as high, mid, or low value. This system presents a unique method of categorizing land using techniques based on decision rules, guaranteeing precision and uniformity in assessing the land's worth. In addition, the platform enables efficient interactions with landowners. The system also integrates mapping functionalities, helping assessors categorize land values by factors like buildings, water access, and land type. This visual representation aids in identifying properties with distinct valuation features. Landowners can also access their property and tax information, improving communication and transparency. All things considered, the approach guarantees more accurate evaluations, streamlines assessments, and enhances communication. The system was evaluated as highly effective (4.56 out of 5) based on efficiency, accessibility, and dependability.

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