

West Visayas State University
COLLEGE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
La Paz, Iloilo City, Philippines

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INTERACTIVE NON-LINEAR MULTI-BRANCHING TEXT-BASED GAME ON
THE LOVE LIFE OF JOSE RIZAL USING REN'PY ENGINE

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 Entertainment and Multimedia
Computing

by
Jeff Giuseppe M. Ballais
Aimee Marie S. Barte
Jamie Ann L. Mediana
Chrystal L. Mohsen Zaki
Ian A. Tacuyan

June 2023

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Approval Sheet

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Ian A. Tacuyan

Approved:

Mark Joseph J. Solidarios
Adviser

Joel T. De Castro, DIT
Chair, EMC

Ma. Beth S. Concepcion, DIT
Dean

June 2023

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Ia Paz, Iloilo City, Philippines

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Jeff Giuseppe M. Ballais

Aimee Marie S. Barte

Jamie Ann L. Mediana

West Visayas State University
COLLEGE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
La Paz, Iloilo City, Philippines

Chrystal L. Mohsen Zaki

Ian A. Tacuyan

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Abstract

Despite the disproportionately high time allotted to teaching social studies (under the term makabayan) in the Philippines compared to other countries, people are still ignorant of basic historical facts. This study aimed to develop a historical visual novel that can promote learning through a positive game experience. References from photographs, to books, to historical movies and documentaries were gathered to ensure accurate depiction of relevant historical events. The assets such as the character sprites, background designs and the user interface were done using Krita and Clip Studio Paint. Everything from the appearance of the sprites to the programming of the flag marker system were done using Ren'Py. The questionnaire containing four components, namely: Game Usability, Mobility, Game Play and Learning Content was then dispersed together with the game to gather data. The study found that all the components garnered a

“Strongly Agree” interpretation with Game Usability and Learning Content having the same mean score of 4.60 and Game Play with the lowest score of 4.39. This indicates that the game can promote learning through a positive game experience as well as an effective alternative to traditional pedagogical approaches.

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Table of Contents

	Page
Title Page	i
Approval Sheet	ii
Acknowledgment	iii
Abstract	vi
Table of Contents	viii
List of Figures	x
List of Tables	xi
List of Appendices	xii
Chapter	
1 Introduction to the Study	2
Background of the Study	2
Objectives of the Study	5
Significance of the Study	6
Definition of Terms	7
Delimitations of the Study	11
2 Review of Related Studies	12
Review of Existing and Related Studies	12
3 Research Design and Methodology	18
Description of the Proposed Study	18
Methods and Proposed Enhancements	18

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COLLEGE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
Ia Paz, Iloilo City

Components and Design	20
4 Results and Discussion	24
Implementation	24
Results, Interpretation, and Analysis	29
System Evaluation Results	30
5 Summary, Conclusions and Recommendations	38
Summary of the Proposed Study Design and Implementation	38
Summary of Findings	40
Conclusions	42
Recommendations	43
References	45
Appendices	57

List of Figures

Figure	Page
1 System Architecture of the Proposed Game	21
2 Activity Diagram	22
3 Game Development Life Cycle	23
4 Character design of Segunda Katigbak, Leonor Rivera and Leonor Valenzuela	24
5 Background design of a bahay na bato and Escolta	25

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COLLEGE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY
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List of Tables

Table	Page
1 5-point Likert scale scoring range	30
2 Results of the Game Usability Components	32
3 Results of the Mobility Components	33
4 Results of Game Play Components	34
5 Results of Learning Content Components	35
6 Results of the Components	36

List of Appendices

Appendix	Page
A Letter to the Adviser	58
B Letter to the Technical Editor	59
C Letter to the English Editor	60
D Letter to the Thesis Format Editor	61
E Certification for Bookbinding	62
F Letter to the Validator	63
G Survey Questionnaire	65
H Raw Data and Statistical Computations	71
I Sample Script	73
J Sample Screenshots	79
K CGI Cutscenes	81
L Character Design	83
M Disclaimer	84