## Republic of the Philippines Cavite State University

Don Severino delas Alas Campus Indang, Cavite

## COLLEGE OF ENGINEERING AND INFORMATION TECHNOLOGY DEPARTMENT OF INFORMATION TECHNOLOGY

In Partial Fulfillment of COSC 75A: Software Engineering II

A Proposal of

"Enhancing Learning Efficiency: DnD Libraries – An Open-Source Document Management System"

Submitted to:

Mr. Stephen Andrei O. Rocillo Instructor

Submitted by:

Dinothelo P. Quiroga
Daniel Lawrence B. Cunanan

Date submitted:

February, 2024

## **Table of Contents**

	Page
INTRODUCTION	1
Background	2
Statement of the Problem	3
Main Problem	3
Specific Problem	4
Objectives	5
General Objectives	5
Specific Objectives	6
Discussion of Existing and Proposed System	7
Existing System	7
Proposed System	8
Scope and Limitations	13
SYSTEM REQUIREMENTS SPECIFICATIONS	14
Introduction	15
Purpose	15
Scope	15

	Overview	15
	Product Perspective	16
	Product Features/Functions	17
	User Classes and Characteristics	19
	Assumption and Dependencies	23
	Specific Requirements	23
	Software Specification	24
	Hardware Specification	24
	External Interface Requirements	24
	User Interface	25
	Non-Admin User Interface	25
	Admin User Interface	27
	Other Non-Functional Requirements	31
	Performance	31
	Interface	31
	Security	32
		•••
SCRUM P	ROCESS	33

Overview	34
Project Organization	36
Roles and Responsibilities	36
Front End Developer	36
Back End Developer	37
Work Plan	37
Schedule Allocation	37
Project Deliverables	39
Scrum Flow	40
Product Backlog	42
Sprint Backlog	43
Quality Control	47
Unit Testing	47
System Testing	48
Lesson Learned	55
CONCLUSION	
REFERENCES	
APPENDICES	
Appendix A Figures	63

Appendix B Tables	68
Appendix C Test Cases	72
Appendix D Screenshots	80