



CryptiDocs: A Safe and Open Web-Based Document Management System Employing Role-Based Access Control and Metadata Encryption

UNDERGRADUATE THESIS
Submitted as one of the requirements to obtain
Sarjana Komputer (S.Kom.)

By:
AFSA MIFZAL ZARARGHIRFAR
001202200150

FACULTY OF COMPUTER SCIENCE
INFORMATICS STUDY PROGRAM
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GPT ANTI-PLAGIARISM CHECK

The screenshot displays the CryptiDocs web application interface. On the left, a sidebar contains navigation links: 'New', 'Home', 'Documents', and 'Chrome Ext'. The main document editor area on the left shows the title 'CryptiDocs: A Safe and Open Web-Based Document Management System Employing Role-Based Access Control and Metadata Encryption' and a subtitle 'UNDERGRADUATE THESIS Submitted as one of the requirements to obtain Sarjana Komputer (S.Kom.)'. Below the text is a rich text editor with a toolbar and a green 'AI' button. The right panel, titled 'Basic scan', shows a green circular progress indicator with the word 'human' inside. The scan result states: 'We are highly confident this text is entirely human'. Below this, a 'Probability breakdown' shows '2% AI generated', '0% Mixed', and '98% Human'. There are buttons for 'View', 'AI Sentences', and 'AI Words'. Further down, the 'Advanced Sentence Scanning' section explains that it understands how each sentence impacts AI probabilities. At the bottom, a 'Your most human sentences' section shows a 'Scan to update results' button and statistics: '4,847 characters 628 words'. The top right of the interface includes 'Feedback', 'Sign up', and 'Log in' buttons.

CryptiDocs: A Sa AI Tools

Feedback Sign up Log in

Basic scan Share Export

human

GPTZero AI Detection Model 3.7b

We are highly confident this text is entirely human

Probability breakdown

2% AI generated 0% Mixed 98% Human

View AI Sentences AI Words

Advanced Sentence Scanning

Understand how each sentence impacts AI probabilities and with interpretable reports (American Federation Teacher Certified)

Your most human sentences

Scan to update results

4,847 characters 628 words

Scan →

ABSTRACT

With the advancement of technology era, many of companies require a management system that is safe and secure that could protect internal files and offers great user experience. Frequently, sensitive and crucial company files can be manipulated and modified by unauthorized user, either from outside of the company or the internal of the company itself. Continuing this issue, this study aims to develop a web-based document management system that is secure and reliable. This system performs sending, receiving, and uploading file that is integrated with SHA-256 hashing to verify the integrity of the document along with JSON Web Token (JWT) as the secure authentication for the user. As a result, the system works based on the plan on this project, which prioritizing data integrity, access control, and user efficiency to solve this file handling in modern organizational environment.

TABLE OF CONTENTS

TABLE OF CONTENTS	14
LIST OF TABLES	16
LIST OF FIGURES	17
CHAPTER I INTRODUCTION	18
1.1...Background	18
1.2...Problem Statement	18
1.3...Objectives	19
1.4...Problem from Customer Perspective	19
1.5...Methodology Overview	19
1.6...Report Structure	20
CHAPTER II SPECIFICATIONS.....	21
2.1...Web-Based Document Management System	21
2.2...Existing and Proposed System	22
2.2.1 Existing Business Process	22
2.2.2 Proposed Business Process	23
2.3...Global Description of the Product	23
2.3.1 Main Function Description	23
2.3.2 User Characteristics	24
2.4...Product Development Environment	26
CHAPTER III SYSTEM ANALYSIS AND DESIGN.....	27
3.1...Project Outline	27
3.2...Functional Criteria	27
3.3...Backend Process	28
3.4...Backend Architecture and Design	28
3.5...Tools and Technologies Used	29
CHAPTER IV IMPLEMENTATION	30

4.1...Backend Implementation	30
4.1.1 Database Setup	30
4.1.2 User Profile (Popup)	31
4.1.3 Document Hashing	32
4.1.4 Upload	33
4.1.5 Database Connection	36
4.1.6 Hashing	36
4.1.7 Database	37
4.2...Video Demonstration	39
4.2.1 How to build a system	39
4.2.2 How to install the system	39
4.2.3 How to use the system	39
CHAPTER V TESTING AND CONCLUSION.....	40
5.1...Main Features	40
5.2...User Roles	40
5.3...Technical Specifications	41
5.4...Functional Testing	41
5.4.1 Based on Chapter 1 – Problem Functional Analysis	41
5.4.2 Based on Chapter 2 – Functional Description	43
5.5...Testing Other Specifications	44
5.5.1 Non-functional Requirements	45
5.5.2 Non-functional specifications	45
5.6...Conclusion	47
REFERENCES.....	48

LIST OF TABLES

Table 2. 1 User Characteristics.....	24
Table 3. 1 Tools and Technologies Used	29
Table 5. 1 Problem Functional Analysis Table	41
Table 5. 2 Functional Description Table	43
Table 5. 3 Non-functional Requirements Table	45
Table 5. 4 Non-functional Specifications Table.....	45

LIST OF FIGURES

Figure 2. 1 Existing Business Process	22
Figure 2. 2 Proposed Business Process	23
Figure 4. 1 Database Connection	30
Figure 4. 2 User Profile (Popup).....	31
Figure 4. 3 User Profile (Popup).....	32
Figure 4. 4 Document Hashing	32
Figure 4. 5 Document Hashing	33
Figure 4. 6 Upload	33
Figure 4. 7 Upload	34
Figure 4. 8 Upload	34
Figure 4. 9 Upload	35
Figure 4. 10 Database Connection	36
Figure 4. 11 Hashing	36
Figure 4. 12 Hashing	37
Figure 4. 13 Database.....	37
Figure 4. 14 Database.....	38
Figure 4. 15 Database.....	38
Figure 4. 16 Database.....	38
Figure 4. 17 Database.....	39