



RDMA over Converged Ethernet

Mohamed Hussien Mostafa
Mohamed Khaled Mohamed

Supervisor: Dr.Ashraf Salem
Department of Computer Systems Engineering
Faculty of Engineering at Ain Shams University
Jun 2021

Contents

1	Introduction	5
2	Project Description	6
2.1	Detailed project description	6
2.1.1	Image:	6
2.1.2	Video:	6
2.2	Beneficiaries of the project	6
2.3	Detailed analysis	6
2.4	Techniques description	6
2.4.1	Images techniques	6
2.4.2	Videos techniques	7
3	Project planning	8
3.1	Task breakdown structure	8
3.2	Time plan and Gant chart	8
4	System Design And Architecture	9
4.1	System architecture	9
4.2	Multimedia database design	9
4.2.1	The purpose of our data base	9
4.2.2	Required information	9
4.2.3	Database Schema	9
4.2.4	Primary keys and foriegn keys	9
4.3	System design	9
4.4	Testing scenarios and results	9
5	End User Guide	10
5.1	Steps To use the project	10
5.2	Features	10
6	Conclusion	11

<i>CONTENTS</i>	2
7 References	12

List of Figures

List of Tables

Chapter 1

Introduction

Chapter 2

Project Description

2.1 Detailed project description

2.1.1 Image:

Histogram:

Color Layout:

Mean Color:

2.1.2 Video:

Histogram:

2.2 Beneficiaries of the project

2.3 Detailed analysis

2.4 Techniques description

2.4.1 Images techniques

Mean color

Histogram

Color Layout

2.4.2 Videos techniques

Feature extraction technique

Distance calculation

Chapter 3

Project planning

3.1 Task breakdown structure

3.2 Time plan and Gant chart

Chapter 4

System Design And Architecture

4.1 System architecture

4.2 Multimedia database design

4.2.1 The purpose of our data base

4.2.2 Required information

4.2.3 Database Schema

4.2.4 Primary keys and foriegn keys

4.3 System design

4.4 Testing scenarios and results

Chapter 5

End User Guide

5.1 Steps To use the project

5.2 Features

Chapter 6

Conclusion

Chapter 7

References

- Aigrain, P et al (1996) "Content-based representation and retrieval of visual media - a state-of-the-art review" *Multimedia Tools and Applications* 3(3), 179-202.
- Ashley, W (1996) "What shoe was that? The use of computerised image database to assist in identification." *Forensic Science International*, 82, 7-20
- IEE Proc.-Vis. Image Signal Process., Vol. 152, No. 6, December 2005 851
- Image and Video Indexing and Retrieval Michael A. Smith and Tsuhan Chen Carnegie Mellon University.
- Alsuth, P et al (1998) "On video retrieval: content analysis by ImageMiner" in *Storage and Retrieval for Image and Video Databases VI*, Proc SPIE 3312, 236-247
- Mandal, Mrinal Kr. *Multimedia Signals and Systems*. Kluwer Academic Publishers, 2003.
- Chen, Tsuhan, and Atul Puri. *Multimedia Systems, Standards, and Networks*. Dekker, 2000.