Detection and Extraction of Breaking News from Videos

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Abstract

Advancements in digital multimedia content especially, data storage and image acquisition technologies have empowered the creation of the large image datasets. In this context, it is mandatory to design and develop a fully automated information system which can effectively deal with these accumulations. A **Content Based Image Retrieval** system, which can retrieve images like a user-defined specification or pattern, a possibility of automated image retrieval process.

Our project refers to the retrieval of frames from videos based on textual content. Later, detection and extraction of textual areas in the frame for the pre-processing purposes. End product will be able to perform video processing for the extraction of key frames, and then processing key frames for the detection and the extraction of textual areas in the frames. Furthermore, system will be able to tell that whether there is a breaking news inside a frame or not by performing the text recognition by **Word Spotting** based on the extracted textual features.

Contents

Figures ix

Introduction 1

1.1 Introduction 1

1.2 Project Overview 1

1.3 Problem Description 2

1.4 Objective 3

1.5 Scope 3

2 Literature Review 4

2.1 Related Work 4

2.2 CBIR Systems 5

2.3 Urdu language specifications 6

3 Requirement Specifications 8

3.1 Existing System 8

3.2 Proposed System 8

3.3 Software and Development Enviroment Requirements 8

3.4 Interface Requirements 9

3.5 Other Requirements 9

3.6 Use Cases 9

3.6.1. System Use Cases 10

3.6.2. System Use Case Description 11

3.7 Frame Extraction Use Case 12

3.7.1. Frame Extraction Use Case Description 13

4 Design 14

4.1 System Architecture 14

4.2 High Level Design 15

4.2.1. Conceptual Diagram 15

4.2.2. Package Diagram Description 16

4.2.3. Process Diagrams 16

4.3 Feature Database 18
4.3.1. Feature Database Description 19
4.4 Deployement Diagram 19
4.5 Component Diagram 20
4.6 Block Diagram 21
4.7 Activity Diagram 22
4.8 Code Map 23
4.9 Code Map 2 24
4.10 Breaking News Detection Sequence Diagram 25
4.11 Lower Profile Sequence Diagram 26
4.12 Upper Profile Sequence Diagram 27
4.13 Feature Similartiy Sequemnce Diagram 28
5 System Implementation 30
5.1 Development Enviroment 30
5.2 User Interface 31
5.2.1. Interface 31
5.2.2. Advantages of MetroUI Framework 32
5.3 Architecture and Components Integration 33
5.3.1. Extract Video Frames 33
5.3.2. Preprocessing 33
5.3.3. Feature Extraction 34
5.3.3.1. DataSet Description 34
5.3.3.2. DataSet Example 34
5.3.4. Features In Depth 35
5.3.4.1. Upper Projection Profile 35
5.3.4.2. Lower Projection Profile 36
5.4 Tools and Technology Used 36
5.5 Libraries 37
5.5.1. Accord.Net Framework 37

5.5.2. NReco.VideoInfo 37
5.5.3. MetroUI Modern Framework 38
5.5.4. .Net Native libraries: 38
5.6 Processing Logic/Algorithms 38
5.7 Results Analysis 39
5.8 Software Development Model 39
5.8.1. Incremental Model 39
5.8.2. Requirement Specifications and Evaluation 40
5.9 Designing and Evaluation 40
5.10 Prototyping and Evalutaion 40
5.11 Implementation and Evaluation 40
5.12 Functional Analysis and Evaluation 41
6 System Testing and Evaluation 42
6.1 Graphical User Interface Testing 42
6.2 Software Performance Testing 43
6.2.1. Unit Testing 43
6.2.2. Integration Testing 45
6.2.3. System Testing 45
6.3 Test Cases 46
6.3.1. Functionality Test Cases 46
6.3.1.1. Login Check Test Case Positive 46
6.3.1.2. Login Check Test Case Negative 46
6.3.1.3. Input Video Upload Check Positive. 47
6.3.1.4. Input Video Upload Check Negative 47
6.3.1.5. Image Format Checking Test Case Positive 48
6.3.1.6. Image Format Checking Test Case Negative 48
6.3.1.7. Frame Binarization Checking Test Case 49
6.4 Database Test Cases 49
6.4.1. Features Saving Test Case 49

6.4.2. Key Frames Separation Check Test Case 50
6.5 Results: 50
7 Conclusions 51
7.1 Conclusions And Perspectives 51
7.2 Future Work 51
8 Bibliography 52

Figures

Figure 0-1: DENVA In a Blink 2
Figure 2-1: Arabic Text Detection 7
Figure 3-1: System Use Case 10
Figure 4-1: Complete Architecture 14
Figure 4-2: Package Diagram 15
Figure 4-3: Sequence Diagram 17
Figure 4-4: Feature Database Sequence 18
Figure 4-5: System Deployment Diagram 19
Figure 4-6: Component Diagram 20
Figure 4-7: Block Diagram 21
Figure 4-8: Activity Diagram 22
Figure 4-10: Code Map 23
Figure 4-11: Code Map Main Form Hierarchy 23
Figure 4-12: Code Map 24
Figure 4-13: Breaking News Detection 26
Figure 4-14: Lower Profil 26
Figure 4-15: Upper Profile 27
Figure 4-16: Feature Similarity Sequence Diagram 29
Figure 5-1: Visual Studio IDE 30
Figure 5-2: Nuget Package Manager 31
Figure 5-3: Frame Extractor 32
Figure 5-4: Mass File Renaming 32
Figure 5-5: Frame Extraction Process 33
Figure 5-6: Dataset Example 34
Figure 5-7: Sample 35
Figure 5-8: Upper Profile for P 35
Figure 5-9: Lower Profile of P 36
Figure 6-1: GUI 42