A Novel Securing Images Using Intellectual Property Rights E-Recordation System

GUBBALA LAKSHMI PRASANNA

Department of Computer Science,

SVKP &Dr K S Raju Arts & Science College, Penugonda, A.P, India.

CHIRAPARAPU SRINIVASA RAO

Associate Professor in Computer Science,

SVKP & Dr K S Raju Arts & Science College, Penugonda, A.P, India.

ABSTRACT: TheMain aim of this is to provide copyright protectionto images over the web. Generally our web site is probably the product of hundreds or thousands of hours of work and an investment of thousands of dollars. Any or all of our original content could easily be copied and displayed to overcome this type of problem copyright protection is needed.

1. INTRODUCTION

1.1. Scope: We mainly concentrate on transmission of images safely through watermarking. Where the authorized user only can obtain the images without distortion.On the request of user we take the image and watermark image.We send it to the user where watermark can be retrieved and image can be viewed.

1.2.Purpose: Main purpose of this is to provide copyright protection**to** images over the web. Generally ourweb site is probably the product of hundreds or thousands of hours of work and an investment of thousands of dollars. All of our original content could easily be copied and displayed to overcome this type of problem copyright protection is needed.

1.3 Existing System & Disadvantages: The rapid evolution of the Internet technology makes the transmission of digital multimedia contents easier now a days than before. Copyrighted digital media such as Images, music, etc., can be copied or distributed quickly and easily on the Internet. Media content owners are very concerned about the potential loss of revenue resulting from digital media piracy. Therefore, digital watermarking techniques have been proposed for copyright protection or ownership identification of digital media.

Watermark is a message which is embedded into digital content (audio, video, images or text) that can be detected or extracted later. Such messages mostly carry copyright information of the content. Watermarking has been revealed to be an efficient technique to cope with the problem of intellectual property rights (IPR) protection of multimedia data. This technology embeds into the data an unperceivable digital code, namely the watermark, carrying information about the copyright status of the work to be protected. There are two types of

watermarking based on visibility. Those are visible watermarking and non-visible watermarking

Both visible and invisible watermarking involves "stamping" your image in such a way that it can be identified as your image. Using a combination of the two is a very good way to make sure everyone realizes that you own the rights to your images.

To our best Knowledge, up to now there is no research that addresses the issue of web application water marking in this paper we propose a new watermarking scheme for web applications.

1.4 Proposed System & Advantages: We mainly concentrate on transmission of images safely through watermarking. Where the authorized user only can obtain the images without distortion. On the request of user we take the image and watermark image.We send it to the user where watermark can be checked and image can be viewed.

2. OVERVIEW OF THESYSTEM: Digital Watermarks are potentially useful in many applications, including:

Modules:

1. Admin Module
2. Users Module
3. Image Water Marking Module
4. Security Authentication
5. Reports

2.1. Admin Module:

1. View registered users.
2. Delete registered users.
3. View Requested users.
4. Update status (or) Accept Requested users
5. View Inbox mails
6. View Inbox Water Mark Images.
7. View Outbox mails
8. View outboxes water mark images.

2.2. Users Modules:

1. Delete, read and download water mark images with private key.
2. Image Water marking with text.
3. Image water marking with another image.
4. Composing mails.
5. Chatting Assistance with reaming users.

2.3. ImageWatermarking:

Rich user interface developed in order to select the image and select the watermarking settings based on the application. It also helps to view the extracted watermark from those electronic commerce applications.

2.4. **Security Authentication:**

1. Registration
2. Login
3. View profile
4. Update Profiles
5. Change passwords
6. Logout

2.5. Reports:

In this Module the User and Administrator can generate the different types of Reports according to their access.

3. SYSTEM DESIGN:

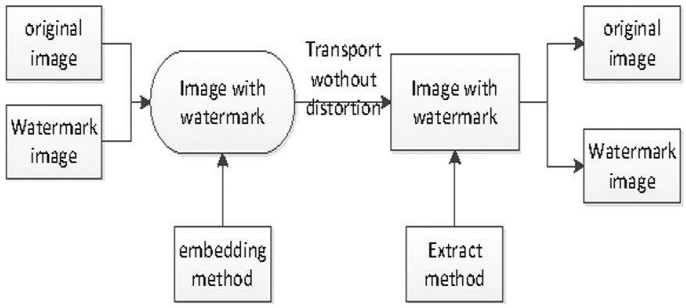

Fig 3.1: Methodology Diagram

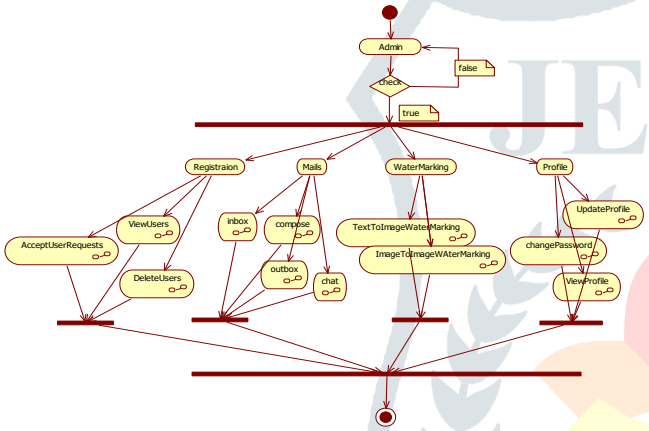

Fig 3.2: Admin Activity Diagram

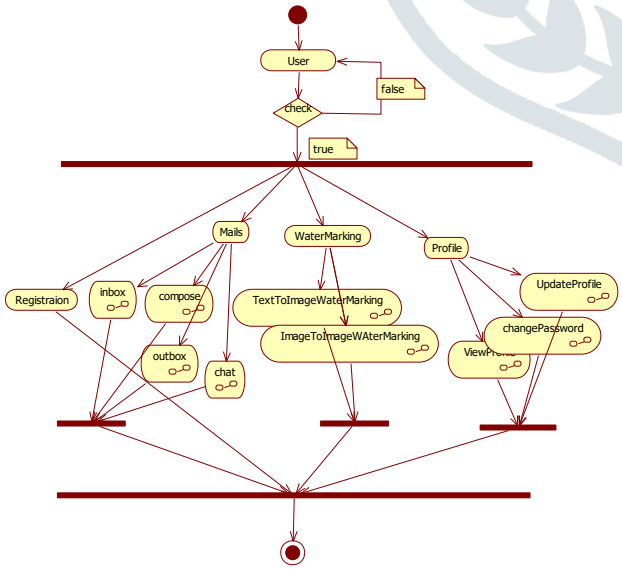

Fig 3.2: User Activity Diagram

4. OUTPUT SCREEN SHOTS:

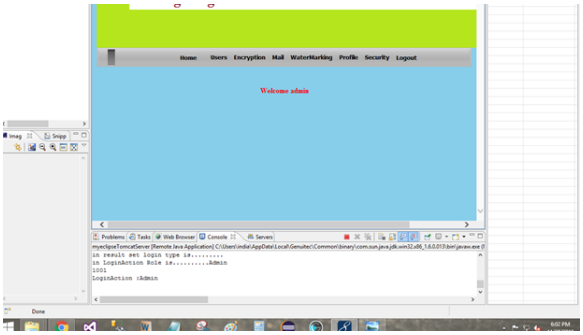

Fig 4.1:Home Page

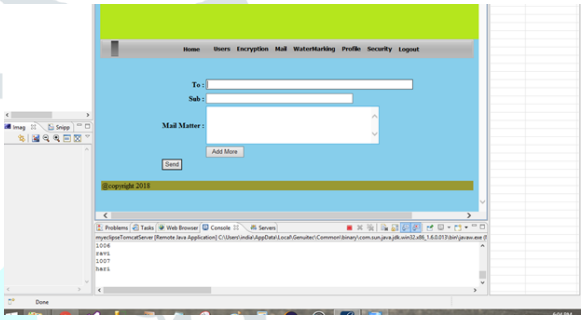

Fig4.2: User Home Page

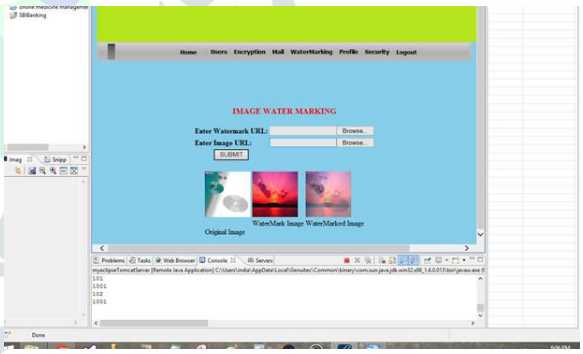

Fig4.3: Image Watermarking Page

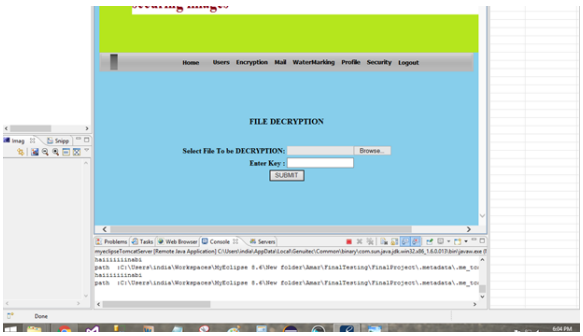

Fig 4.4: File Decryption Page

5. CONCLUSION AND FUTURE ENHANCEMENTS:

The "**A Novel Securing Images Using Intellectual Property Rights E-Recordationsystem**"was successfully designed and is tested for accuracy and quality.

During this project we have accomplished all the objectives and this project meets the needs of the organization. The developed will be used in searching, retrieving and generating information for the concerned requests.

6. REFERENCES:

[1]Barni, M., Bartolini, F., Cappellini, V., & Piva, A. (1997). Robust watermarking of still images for copyright protection. 13th International Conference on Digital Signal Processing Proceedings, DSP 97, (vol. 1, pp. 499-502).

[2]Bas, P., Chassery, J., & Davoine, F. (1998, October). Using the fractal code to watermark images. International Conference on Image Processing Proceedings, ICIP 98, (vol. 1, pp. 469-473).

[3]Baudry, S., Nguyen, P., & Maitre, H. (2000, October). Channel coding in video watermarking: Use of soft decoding to improve the watermark retrieval.

[4]International Conference on Image Processing Proceedings, ICIP 2000, (vol. 3, pp. 25-28).

[5]Bender, W., Gruhl, D., Morimoto, N., & Lu, A. (1996).

About Authors:

Gubbala Lakshmi Prasanna is currently pursuing MCA in SVKP & Dr K S Raju Arts & Science College, Affiliated toAdikaviNannaya University, Rajamahendravaram. Her research interests include Cloud Computing, Data Mining, Artificial Intelligent and image processing.

CH.Srinivasa Rao is a Research Scholar in the Department of Computer Science & Engineering at Acharya Nagarjuna University, Guntur, A.P, India. He is working as Associate Professor in SVKP & Dr K S Raju Arts & Science College, Penugonda, A.P. He received master's degree in Computer Applications from Andhra University and Computer Science & Engineering from Jawaharlal Nehru Technological University, Kakinada, India. His research interests include Data Mining, Big Data Analytics and image processing.