

Software Requirement Specification

Problem Statement: Relative Image searching with image as an input

Requirements:

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|-----------------------|----------------------|
| 1. Operating System | - Windows 8,8.1,10 |
| 2. Application Server | - Tomcat5.0/6.X |
| 3. Front End | - HTML, JDK 1.8, JSP |
| 4. Scripts | - JavaScript. |
| 5. Server side Script | - Java Server Pages. |
| 6. Database | - My SQL 5.0 |
| 7. IDE | - Eclipse |
| 8. Algorithms | - MD5, SHA-1, Sift |

• Functional Specification:

1) Scope of Project:

- We perform of near-duplicate detection and cross media retrieval task.
- We propose to use a set of word embedding's to represent textual information.
- Social image websites such as Flickr allow users to annotate their images with a set of descriptors such as tags and offline part use as images. Thus, the tag-based image search can be easily accomplished by using the tags as query terms. However, the weakly relevant tags, noisy tags and duplicated information make the search result unsatisfactory.

- 2) **Facilitating other Documentation:** The SRS forms the basis for a load of other important Documents such as the Software Design Specification.

- **External interface Specification**

- 1) **User Interface**

- 1) Home page
 - 2) Upload Image
 - 3) Retrieve related images

- 2) **Hardware Interfaces**

- The entire software requires a completely equipped computer system including monitor, keyboard, and other input output devices.

- 3) **Software Interfaces**

- The system can use Microsoft as the operating system platform. System also makes use of certain GUI tools. To run this application we need JDK 1.8 and above as java platform and Apache tomcat as server. To store data we need MySQL database

