Version <1.0>

Revision History

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# Introduction

Feeling difficult when recover an old image or forget the location of the image that you have seen. To solve this poblem, we create a Gallery Image Software for you to store all of your images and share it with others from all over the world.

## Purpose

The purpose of Software Requirements Specification document is to describe the external behavior of the Image Gallery Software. Requirement Specification define and describes the operations, interfaces, performance, and quality assurance requirements of the Image Gallery Software. The document also describes the nonfunctional requirements such as the user interfaces. It also describes the design constraints that are to be considered when the system is to be designed, and other factors necessary to provide a complete and comprehensive description of the requirements for software.

## Scope

The Supplementary Specification captures all the requirements in a single document. The Image Gallery Software that is to be developed to provides users post, retrieve images and many other facilities.

## Definitions, Acronyms, and Abbreviations

Refer to the project glossary document for all definitions of terms, acronyms and abbreviations.

## References

## Overview

The Supplementary Specification will provide a detailed description of the Image Gallery Software. This document will provide the outline of the requirements, overview of the characteristics and constraints of the system.

# Functionality

The Image Gallery Software also supported on mobile devices.

# Usability

## Navigation

* Use a recurring navigation bar that is consistent and appears in the same location on all pages.
* Use short descriptive titles at top of each image so the user has a clear understanding of where they are in the application.
* If graphic images or icons are used as links, they should be representative of the information available from the link.
* Searches should be flexible to allow users to specify as little or detailed criteria for the search.
* Users should not be required to scroll excessively to view the content on a page.

## Consistency

* The presentation of information and the look and feel should be consistent throughout the entire application.
* Text, butons, and images that appear on multiple pages, should be placed in the same location on every page unless there is an overriding design factor.

## Language

* Use domain language that the application users will be familiar with.
* Use terms consistently across the application.

## Organization

* From the application homepage the user should have easy access to all functionality that they are required to perform on a regular basis.
* The user should have a clear indication at top of each page as to which section they are in.
* Application sould be flexible to allow users to search for content using different search criteria.
* For information that is not real-time, user should be informed as to when the information was last updated.

# Reliability

## Availability

The system is always available.

## Mean Time Between Failures (MTBF)

The system is allowed to be out of order at most twice a year.

## Mean Time To Repair (MTTR)

The system is allowed to be out of operation within a couple of hours after it has failed.

## Accuracy

The system is 100% of accuracy.

## Maximum bugs or defect rate

1 bug/1 thousand lines of code

## Information Security

The system provides 100% imformation security.

# Performance

## Response time an interaction

Fast, maximum 3 seconds.

## Throughput

Depends on the number of users.

## Capacity

The system is capable of dealing with 500 users at a time.

## Resource use

Memory of involved devices.

# Supportability

## Internet Protocols

TCP/IP protocol.

## Information Security

The system is secured.

## Maintenance

Minimum once a month.

# Design Constraints

## Software Language Used

Java, JavaSwing, JDBC, SQL

## Development Tools

Eclipse, Xampp

# Online User Documentation and Help System Requirements

Users can consult the User Manual.

# Purchased Components

Not required.

# Interfaces

## User Interfaces

The interface of the system is implemented based on existing web browsers.

## Hardware Interfaces

Local Area Network (LAN) will be used for collecting data drom the users and also for updating the Computer shop’s catalog.

## Software Interfaces

Firewall and other network security solutions will be applied to prevent unauthorized acess to the system.

## Communications Interfaces

The Image Gallery Software will be connected to the Internet.

# Licensing Requirements

License belongs to 5C-18 HANU and agreed on the maintenance contract.

# Legal, Copyright, and Other Notices

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# Applicable Standards

ISO/IEC 27001 – Information Technology Management.