< Image Gallery >

Vision (Small Project)

Version <1.0>

Revision History

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# Introduction

The purpose of this document is to collect, analyze, and define high-level needs and features of the Image Gallery. It focuses on the capabilities needed by the stakeholders and the target users, and why these needs exist. The details of how the Image Gallery fulfills these needs are detailed in the use-case and supplementary specifications.

## References

None.

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | Lacking a fast and effective database system |
| Affects | The team members |
| The impact of which is | Slow down the implement process |
| A successful solution would be | Require investment from stakeholder |

## Product Position Statement

|  |  |
| --- | --- |
| For | The artists and designers |
| Who | Needs a software to share their ideas as well as make reference to it for their products. |
| The Image Gallery | is a online software |
| That | Provides a library of pictures and ideas with convenience functions that help users communication to each other easily |
| Unlike | Normal image gallery where users cannot give their opinion and communication to each other |
| Our product | + Our software is free to use  + Many extra-rights for membership card  + Always listen to customer’s feedbacks and improve our lacking |

# Stakeholder and User Descriptions

The Image Gallery Software is built in aim of creating a creative enviroment for all the artitsts and designers all over the world.

* The users can upload their pictures, their ideas and manage them by categories by the users’ interest. They can also discuss with each other about one picture under comment section or privately in direct message inbox.
* The system would pop up the most popular picture or category on the front page based on the amount of likes.

## Stakeholder Summary

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| The staffs and managers of distribution unit | The unit in charge of distributing the product | The unit in charge of distributing the product to the user |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Artist | Key user that the product is aim to. | Upload pictures and manage the gallery by their interest. | The staffs of the team will in charge of representing the product to the user. |

## User Environment

Image Gallery is an open-source software, so in the wireless-network-available enviroment, anyone can use anywhere and anytime easily. It is also very convenient since there is nearly no enviroment constrain because the software just requires internent connecting to can be used, hence, the user can use it out-door, inside house or office and so on. Additionally, with cross browser, it’s up to you, it could also be used on, Chrome, CocCoc, Internet Explorer and so on.

## Summary of Key Stakeholder or User Needs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Need** | **Priority** | **Concerns** | **Current Solution** | **Proposed Solutions** | |
| Building a software | High |  | Not yet | | Learning to code in aim of build the software |
| Database updating | Medium |  | Upgrade database | | Maintain database |

## Alternatives and Competition

Competitive choice from competitors: building a image management software with a more user-friendly interface, with more competitive functions and discount policies.

# Software Overview

This section provides a high level view of the Image Gallery Software capabilities, interfaces to other applications, and system configurations. This section usually consists of two subsections, as follows:

• Software perspective

• Assumptions and dependencies

## Software Perspective

The Image Gallery Software will provide a place where users can share their ideas and pictures online as well as manage them by their interest, which help them to find their photos easier when they need them. Moreover, the software is completely seft-contained, so it is easier for service provider to debug when there’s any error.

## Assumptions and Dependencies

* The operating system and install tools are always available.
* Basic knowledge of using computer is required.
* Language can be multi-language.

# Product Features

* Cross Browsers (Internet explorer, Firefox, Chrome…) are available for the software.
* The software are available on both operating system (IOS and Android).
* The display can match every devices (mobile phone, laptop, computer, etc.).

# Other Product Requirements

Performance: 300 concurrent users.

Robustness: none.

Fault tolerance: when a network card is crashed, traffic will be transfered to the others.

Usability: User interface is simple and easy to use.

**Applicable Standards**

* Internet is required for the product to be used.

**System and Performance Requirements**

* The system support up to 300 concurrent users against the local servers at any one time.
* Response time is improvable.

**Environmental Requirements**

* Testing devices are always available.