File Sharing Program

Version 1.0

Revision History

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| --- | --- | --- | --- |
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| 23.03.2017 | 1.0 | Initial version | Bánhidi Zoltán |
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# Introduction

The introduction of this document provides an overview of the entire document, including the purpose, scope, definitions, acronyms, abbreviations and references.

## Purpose

The purpose of this document is to analyze and collect the features needed by an online file sharing an chat program.

## Scope

The main scope of this document is to collect and after that analyze the main capabilities of a file sharing program needed by the stakeholders. The main idea behind this application is to enable sharing files without using intermediary storage devices (like memory cards, CDs or USB flash drives). This objective can be achieved using the connection between computers named internet.

## Definitions, Acronyms, and Abbreviations

All of the definitions for terms, acronyms and abbreviations required for this document are provided in the Glossary document.

## References

## Overview

This document has three sections: problem statement, stakeholder and user descriptions and the product requirements.

# Positioning

## Problem Statement

|  |  |
| --- | --- |
| The problem of | Sharing photos, videos or other kind of files between computers, smartphones, tablets and other devices |
| affects | The users of these devices and also the producers |
| the impact of which is | Time and money is spent on searching and buying adequate intermediary storage devices |
| a successful solution would be | A software product which uses internet connection to solve the file sharing problem |

## Product Position Statement

|  |  |
| --- | --- |
| For | everyone |
| Who | wants to share programs online |
| The (product name) | is an online file sharing program |
| That | can share photos, videos, messages or other files via the internet |
| Unlike | USB flash drives, CDs or other intermediary storage devices |
| Our product | is simple, easy to use, secure and implies no additional costs (buying intermediary storage devices) |

# Stakeholder and User Descriptions

To effectively provide products and services that meet the stakeholder’s and user's real needs, it is necessary to identify and involve all of the stakeholders as part of the Requirements Modeling process. This section provides a profile of the stakeholders and users involved in the project, and the key problems that they perceive to be addressed by the proposed solution. It does not describe their specific requests or requirements as these are captured in a separate stakeholder requests artifact.

## Stakeholder Summary

There are a number of stakeholders with an interest in the development and not all of them are end users. Present a summary list of these non-user stakeholders.

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Responsibilities** |
| Students | Students which encounter every day file sharing problems | - Makes sure that the system is developed according to the final users needs  - Supervises the addition of the new components to the system  - Coordinates the developing team |

## User Summary

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Description** | **Responsibilities** | **Stakeholder** |
| Administrator | Administrates the existing accounts | - Sign in with an existing account  - Make/modify.remove user account |  |
| Regular user | A user which signed in using his/her username and password and is not an administrator | - Chat with other regular users  - Share photos or other file with other regular users |  |

## User Environment

The target user of this file sharing program is the set of people who would share files via internet (specially photos, videos or other small size contents). The single constraint is having internet connection on the computer.

# Product Requirements

The program will be built using Java, therefore the computers which runs the application will need to have JRE installed. The users data will be stored in a MySQL database, thus the server side of the application may have a MySQL Server. Also internet connection is a constraint for the server and the client side.