Unveiled
Software Requirements Specification

Version 1.2

Revision History

Date	Version	Description	Author
12/10/2015	1.0	Initial definitions	Sebastian Adams Fabian Schäfer Sebastian Schmidl
16/10/2015	1.1	Requirement definitions	Fabian Schäfer Sebastian Schmidl
18/10/2015	1.2	Added some more Requirements for the Android App	Sebastian Schmidl

Software Requirements Specification

1. Introduction

1.1 Purpose

This SRS describes all specifications for "Unveiled". It's an Android-App enhanced with a small web interface. "Unveiled" allows users to take pictures and videos, which are immediately sent to and stored by a server. In this document the usage of the "Unveiled"-Android-App and the "Unveiled"-Website will be explained. Furthermore reliability, reaction speed and other important characteristics of this project will be specified. This includes design and architectural decisions regarding optimization of these criteria as well.

1.2 Scope

This software specification applies to the whole "Unveiled" application. It consists of two parts: The first part is an Android-App, which allows users to take pictures and videos with their smartphone. It establishes a livestream to a server which stores the captured media in a private library. The second part is a website allowing users to browse, download and publish their own media.

1.3 Definitions, Acronyms, and Abbreviations

In this section definitions and explanations of acronyms and abbreviations are listed to help the reader to understand these.

- **Android** This is a mobile operating system developed by Google for primarily use on smartphones and tablets.
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1.4 References

Title	Date	Source
Overall Use Case Diagram (UCD)	16.10.15	https://github.com/CodeLionX/Unveiled/blob/doku/Dokumente/Bilder/Unveiled_Overall%20Use%20Case%20Diagram.png
<eg. Use Case, Change Mgmt., ...>	<DD/MM/YYYY>	<URL/URI>

1.5   Overview

The following chapters are about our vision and perspective, the software requirements, the demands we have, licensing and the technical realisation of this project.

2.   Overall Description

2.1   Vision

Everyday a huge number of undetected crimes are committed on this planet. Whistleblowers try to impart those crimes to the community although politics and public authorities put rocks in their way. This project shall help these journalists and dedicated individuals to publish and save their captured video and photo material wherefore they have perhaps put their life at risk. Our Application addresses exactly this point.

Citizens with a conscience are not going to ignore wrong-doing simply because they'll be destroyed for it: the conscience forbids it. - Edward Snowden

People using our App can take pictures and videos which are immediately uploaded to our servers. There they are stored in a private library only accessible to the owner. Through a web based interface you are able to publish your recorded content.

3.   Specific Requirements

3.1   Functionality - Android App

3.1.1   Login-Page

The login page of the app enables the user to get access to his account.

3.1.2   Take Picture

The user is able to take pictures with the smartphone camera. The picture will be instantly uploaded to a server.

3.1.3   Take Video

The user is able to film with the smartphone camera. The captured video material is live streamed to a server to store the data.

3.1.4   Settings

A settings option provides the user to choose the resolution and receiving server by himself.

3.1.5   Upload Media

If the automatically upload of the video or picture failed, the user is able to upload the file manually.

3.1.6   Show and Maintain User profile

A separate view shows the user his log in information. On this view he is also able to change is password.

3.1.7 Change User

If somebody has multiple users and log in information, the app allows him to switch between them.

3.2 Functionality - Website

3.2.1 Login/Logout-Page

At the home page of the website there is the possibility to register for a new user or to log in. You will be redirected to this page after a successful logout.

3.2.2 Profile

This overview page allows the user to view and maintain his profile.

3.2.3 Media Browser

At this page all captured and uploaded media of a single user is shown. There is also the possibility to delete certain videos/pictures/….

3.2.4 Download Files

Captured Media can be downloaded only by the owner.

3.2.5 Register User

At this page the administrator can accept user registration requests.

3.2.6 Delete Media

Inappropriate uploads can be deleted by the administrator.

3.3 Usability

3.3.1 Smartphone-user

The user should know how to use Android as an mobile operating system and how to install and use an mobile application on it. We will provide a configuration guide.

3.3.2 Using a browser

The user of our website has to know how to open and work with a modern browser like Chrome, Firefox or Opera.

3.3.3 Honest person

We expect the user to be a honest person, who just upload media that makes our society to a better place. Our users should obey the low.

3.4 Reliability

3.4.1 Server availability

tbd

3.4.2   MTTR
tbd

3.4.3   Compliant to RFC…
tbd

3.4.4   tbd

3.5   Performance
tbd

3.5.1   tbd

3.6   Supportability

3.6.1   Language support
We will use the following languages, which will also be well supported in the future:
- Java EE 7 (Work on Java EE 8 is already in progress)
- Android 6.0 (Marshmallow)
- the well-known Internet Standards HTML5, CSS3 and JavaScript
- tbd

3.6.2   Support for dependencies
tbd

3.7   Design Constraints

3.7.1   tbd
tbd

3.8   On-line User Documentation and Help System Requirements
The whole application will be built with an intuitive design, so there shouldn't be a need for the user to ask us or the program for help. However the website should have an inbuilt online help, which is able to guide the user through certain steps. We also write our own blog, on which users can find information and ask us questions.

3.9   Purchased Components
(n/a)

3.10   Interfaces
tbd

3.10.1 User Interfaces

3.10.2 Hardware Interfaces

3.10.3 Software Interfaces

3.10.4 Communications Interfaces

3.11   Licensing Requirements
tbd

3.12   Legal, Copyright, and Other Notices
tbd

3.13   Applicable Standards
tbd
- eg. RFC1889   https://tools.ietf.org/html/rfc1889
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4.   Supporting Information
tbd