1. Requirements Specification

The requirements specification should provide an introduction to the project, including its purpose and scope, and

aims and objectives. A complete, comprehensive, prioritised description of the software requirements, both

functional requirements and non-functional constraints, should be produced and organised into logical groups and

numbered. Relevant UML diagrams could be included.

**Requirement**

**Document**

**Name Of our Company**

**Date: ...**

**Content:**

**Purpose 3**

**Scope 3**

**Aims and Objectives 4**

**Requirements 5**

**FR 5**

**N-FR 6**

**Purpose:**

To develop a photo-based social media platform with game-like aspects for people to take pictures of animals and object and use GPS to mark where the object/animal was sighted so others can also try to find and photograph it. Users can share the photos on the platform and get feedback and score points from others.

**Scope:**

The scope of this project is to develop a user friendly and safe photo-based social media platform which supports different types of users (platform managers, channel creators, ordinary users).

The system will have several game-like aspects included in the platform (e.g.,

challenges to photograph a collection of animals in a particular city, earning points from highly-rated photographs,etc.)

The platform will have interfaces built into for visualizing content in various ways (e.g., map-based views of photos using GPS data, leader-boards of top-rated photos and users, fastest-moving channels, etc.)

The platform will only allow sharing photos of objects and animals, not people.

**Aims and Objectives:**

**Don't have anything yet.**

**Move to next section please**

**Requirements:**

**Functional Requirements**

**F-UR 1 The system should allow users to share photographs**

**Priority** : Must

**Source** : Client

**F-UR 1-1** **The system must allow users to take photographs**

The user must be able to take photos of objects and animals using the system.

**F-UR 1-2** **The system must allow users to upload photographs**

The user must be able to upload photos of objects and animals from the device storage.

**F-UR 1-3** **The system could allow users to use GPS to mark their photographs**

The user could be able to use GPS which can be used for identifying the location of the objects/animals in the photos.

**F-UR 1-3** **The system could be able to detect photos with people in it and also delete it**

The system could have an AI to detect human photos and delete it.

**F-UR 1-4** **The system should allow users to create channels**

The user should be able to create channels to arrange their photographs.

**F-UR 1-3** **The system could allow users to modify uploaded photos**

The system could have additional features for modifying uploaded photos, such as photo filters, stamp overlays, GIF generation,etc.

**F-UR 1-5 The system should allow users to arrange photographs**

The user should be able to arrange their photographs in channels created by them based on their prefrence.

**F-UR 1-6 The system should allow users to create portfolios.**

The user should be able to create portfolios and community to exhibit their work.

**F-UR 1-7 The system should allow users to create themes**

The user should be able to create themes for photographs and share them with other users

**F-UR 1-8 The system should allow users to organize public events**

The user should be able to organize and run public events for educational outreach.

**F-UR 1-9 The system should allow users to create portfolios.**

The user should be able to create portfolios and community to exhibit their work

**F-UR 2 The system should allow users to interact and give feedback to other users**

**Priority** : Must

**Source** : Client

**F-UR 2-1** **The system must allow users to chat with other users**

The user must be able to chat with other users on the system.

**F-UR 2-2** **The system must allow users give feedback to other users**

The user must be able to give feedback on photos of other users.

**F-UR 2-3** **The system must allow users to tag photographs**

The user must be able to tag photos

**F-UR 2-4** **The system must include point based system**

The user must be rewarded by a point-based system for highly-rated content

**F-UR 2-5** **The system must allow users to give points on photos of other users.**

The user must be able score photos of other users.

**F-UR 2-6** **The system should allow users to challenge other users.**

The user should be able to challenge other users to find a particular object and photograph it and challenge other users to photograph a collection of animals in a particular city.

**F-UR 3 The system should have different interfaces for different types of users**

**Priority** : Should

**Source** : Client

**F-UR 3-1** **The system should include appropriate tools for system managers and channel creators.**

System managers and channel creators should be able to moderate content that is uploaded to the platform

The system should be able to produce summary reports for platform managers concerning overall

platform usage.

**Non-Functional Requirements**

**NF-UR 1 The system should be safe.**

**Priority** : Should

**Source** : Client

**NF-UR 1-1** **The system should include reporting mechanism**

The users should be able to report a photograph if it is disturbing or promoting illegal activities , has a human in it or disrupting a safe social atmosphere.

**NF-UR 1-2** **The system should be able to analyze and delete reported photos**

The system should be able to analyze the reported photos and delete if they violate the safety laws.

**NF-UR 1-3** **The system should keep data secure (This is still ambiguous have to be more specific)**

The system should keep personal/collected data secure.

**NF-UR 2 The system should be interactive and easy to use.**

**Priority** : Should

**Source** : Client

Users must be able to quickly and easily interact with the system and the relevant information that is

presented.

**NF-UR 2-1** **The system could recommend channels to users**

System could make recommendations to platform users about channels they might be interested

in and could perform automated photo filtering using Artificial Intelligence

**NF-UR 2-2** **The system should provide good user experience**

**NF-UR 2-3** **The system should be fully responsive on all modern web browsers on all devices.**

**Question to ask Prof Hani**

**Is the system a web based application that will run on the browsers of android and ios devices**

**or we have to make web application and a app for both android and ios devices??**