

# Student Shorts SRS Documentation – Group Ruby

## **Roles:**

- Project Manager: Rayden Burger
- Business Analyst: Klara Meyer
- Testing: Kearon Foba
- API Engineer: Benjamin Osmers
- Data Engineer: Alex Küsel
- Services Engineer: Matthew Gotte
- Designer UI, DevOp: Dylan Whiteford

## Table of Contents

<b>1. Introduction to Document</b> .....	<b>1</b>
1.1 Purpose of Document.....	1
1.2 Scope of Product .....	1
1.3 Acronyms, Abbreviations, Definitions .....	1
1.4 References .....	1
1.5 Outline of the Rest of the SRS .....	1
<b>2. General Description of Product</b> .....	<b>1</b>
2.1 Context of Product .....	1
2.2 Product Functions.....	1
2.3 Use Case Diagrams .....	2
2.4 User Characteristics .....	2
2.5 Constraints .....	2
2.6 Assumptions and Dependencies .....	2
<b>3. Specific Requirements</b> .....	<b>3</b>
3.1 External Interface Requirements.....	3
3.1.1 User Interfaces.....	3
3.1.2 Hardware Interfaces .....	3
3.1.3 Software Interfaces.....	3
3.2 Functional Requirements .....	3
3.3 Performance Requirements .....	3
3.4 Quality Requirements.....	3
<b>4. Appendices</b> .....	<b>3</b>

## **1. Introduction to Document**

### **1.1. Purpose of Product**

The purpose of this product is to allow UP CS graduates to post videos or images to share with their fellow students.

### **1.2. Scope of Product**

The content that graduates will be able to share includes photos and videos with optional meta data attached. Only graduates will be able to view these photos and videos. They will also be able to use the metadata to find the photos and videos they want to watch.

### **1.3. Acronyms, Abbreviations, Definitions**

UP – University of Pretoria

CS – Computer Science

### **1.4. References**

n/a

### **1.5. Outline of the Rest of the SRS**

This document outlines the Student Shorts feature. It includes the functional and non-functional requirements, as well as the constraints. It also includes explanations of how the product is intended to be used.

## **2. General Description of Product**

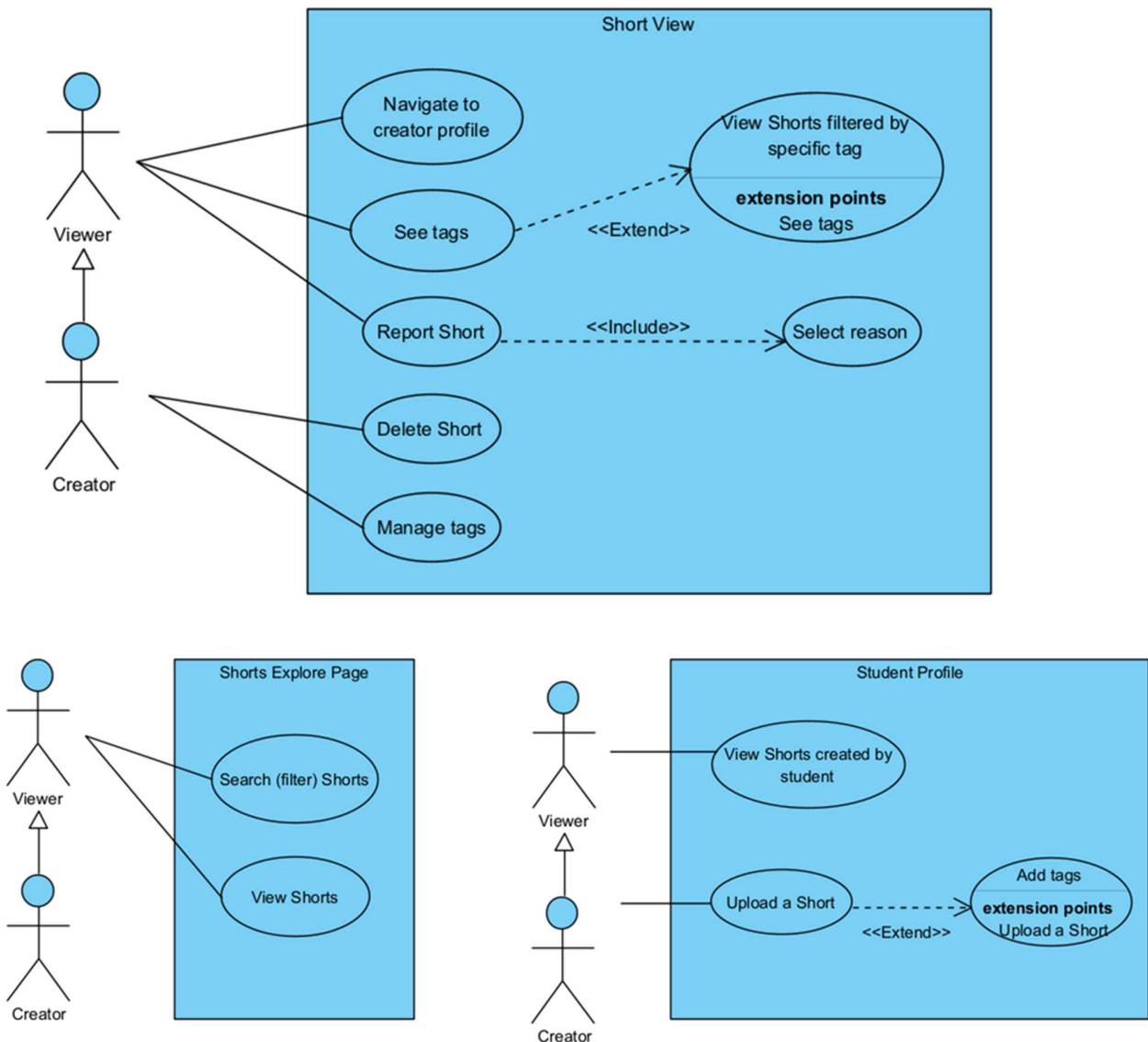
### **2.1. Context of Product**

This product is a part of the CS Graduates Portal that adds to the portal by allowing graduates to share information and / or entertainment with one another.

### **2.2. Product Functions**

A student can add and manage their own Shorts. Other students can then view and report other student's Shorts. Students can filter Shorts in order to find the Shorts they want to view.

### 2.3. Use Case Diagrams



### 2.4. User Characteristics

The intended users of this product is UP CS graduates who want to interact socially with their fellow graduates.

### 2.5. Constraints

- The user must have access to the internet in order to use the product.

### 2.6. Assumptions and Dependencies

- All users of this product are UP CS graduates.

### **3. Specific Requirements**

#### **3.1. External Interface Requirements**

##### **3.1.1. User Interfaces**

- View all Shorts.
- View filtered Shorts.
- Opened Short (watching a short).
- Upload a Short.
- Manage Shorts.
- Report a Short.

##### **3.1.2. Hardware Interfaces**

- The product will be used by making use of the following hardware: monitor, mouse and keyboard or a touch screen.

##### **3.1.3. Software Interfaces**

- A web browser will be used to access the product.

#### **3.2. Functional Requirements**

- FR1: A Short can be uploaded as a video or an image.
- FR2: A person may upload multiple Shorts.
- FR3: A student can remove their own Short.
- FR4: Page for viewing all Shorts.
- FR5: Link from student profile displays all Shorts by the specific student.
- FR6: Report button so that a Short that students have reported can be reviewed.
- FR7: Be able to add tags to Shorts or edit existing tags.
- FR8: Stories can be searched by tags from Shorts explore page.

#### **3.3. Performance Requirements**

- PR1: The videos should have a maximum resolution / file size so that all videos can be loaded quickly.
- PR2: The product should be available and work for 99% of the time in order to be reliable.

#### **3.4. Quality Requirements**

- QR1: Navigation between Shorts, student profiles and tags should be intuitive.

### **4. Appendices**

<https://github.com/COS-301/graduates/wiki/Requirements>