[Product Title]

Requirements and Research Document (Concept of Operations)

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Revision History

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# Overview

The overview should take the form of an executive summary. Give the reader a feel for the purpose of the document, what is contained in the document, and an idea of the purpose for the system or product.

## Scope

What scope does this document cover? This document would contain stakeholder information, initial user stories, requirements, proof of concept results, and various research task results.

## Purpose of the System

What is the purpose of the system or product?

# Stakeholder Information

This section would provide the basic description of all of the stakeholders for the project. Who has an interest in the successful and/or unsuccessful completion of this project?

## Customer or End User (Product Owner)

Who? What role will they play in the project? Will this person or group manage and prioritize the product backlog? Who will they interact with on the team to drive product backlog priorities if not done directly?

## Management or Instructor (Scrum Master)

Who? What role will they play in the project? Will the Scrum Master drive the Sprint Meetings?

## Investors

Are there any? Who? What role will they play?

## Developers | Testers

Who? Is there a defined project manager, developer, tester, designer, architect, etc.?

# Business Need

Use this section to define what business need exist and how this software will meet and/or exceed that business need.

# Requirements and Design Constraints

Use this section to discuss what requirements exist that deal with meeting the business need. These requirements might equate to design constraints which can take the form of system, network, and/or user constraints. Examples: Windows Server only, iOS only, slow network constraints, or no offline, local storage capabilities.

## System Requirements

What are they? How will they impact the potential design? Are there alternatives?

## Network Requirements

What are they?

## Development Environment Requirements

What are they? Is the system supposed to be cross-platform?

## Project Management Methodology

The stakeholders might restrict how the project implementation will be managed. There may be constraints on when design meetings will take place. There might be restrictions on how often progress reports need to be provided and to whom.

What system will be used to keep track of the backlogs and sprint status?

Will all parties have access to the Sprint and Product Backlogs?

How many Sprints will encompass this particular project?

How long are the Sprint Cycles?

Are there restrictions on source control?

# User Stories

The general idea of the project is to create a portal to tag videos and then share the videos with friends.

## User Story #1

Play the videos within a web application

### User Story #1 Breakdown

Nick has asked for an embedded browser to play videos from sites like YouTube and Viemo

## User Story #2

Make the application have the ability to play local videos.

### User Story #2 Breakdown

We will need to make a database to store the videos that are uploaded to our application.

## User Story #3

Possible integration with sling.com -- this will be a much later feature if at all.

## User Story #4

The first time viewing of the video should store all the information of the video that is being played.

### User Story #4 Breakdown

This will need to be some kind of database that stores the video id and the info that goes with it.

## User Story #5

Some kind of login system that allows us to know who is friends with who.

### User Story #5 Breakdown

To do this we need to choose what kind of login to use. We can manage our own or use a facebook account to login.

## User Story #6

We need to be able to pause a video at any one moment and place one of many kinds of tags.

## User Story #7

We have a set of predefined Tags to choose from.

### User Story #7 Breakdown

The list of tags will be as follows:

Comment Tag: just a comment(text) at a specified time(like youtube)

Photo Tag: add a photo to the tag area for some amount of time

Profile Tag: a social networking link to a point in the video

Product Tag: used to add a link to a product's web site(a product in the video)

Location Tag: a link to a map with the location of the video's content

## User Story #8

Need to have the ability to change the list of tags.

## User Story #9

We need to set up a filter system to filter out tags placed on a video.

### User Story #9 Breakdown

We would need to not only filter down to friends, but need to filter out some of the friends.

## User Story #10

Mobile Compatibility

### User Story #10 Breakdown

We will need to find a way to display the videos, and then we may be able to tag videos from the mobile devices.

# Research or Proof of Concept Results

This section is reserved for the discussion centered on any research that needed to take place before full system design. The research efforts may have led to the need to actually provide a proof of concept for approval by the stakeholders. The proof of concept might even go to the extent of a user interface design or mockups.

* + - 1. Supporting Material

This document might contain references or supporting material which should be documented and discussed in appendices. This material may have been provided by the stakeholders or it may be material garnered from research tasks.