# Taggregator Functional Specification

## Revision History

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| --- | --- | --- | --- |
| **Version** | **Description of Versions / Major Changes** | **Responsible Party** | **Date** |
| Draft 0.1 | Initial version created. | A. Bedig | 1/17/2014 |
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## Purpose/Responsibilities

A management tool for a collection of images and their associated metadata. Provides a means of adding and removing images from the collection, viewing the images in the collection, tagging images in the collection with arbitrary text strings (“tags”), and using those tags to filter the images and understand the image collection at-a-glance.

## Assumptions/Constraints

* Built from the latest production version of [AngularJS](http://angularjs.org/).
* Uses Bootstrap3 UI framework for page layout.
* Runs as a single-page web application.
* Does not depend on any external web services.
* Allows users to upload images from their local device.
* Responsive layout for tablet and desktop devices – does not need to scale for mobile.
* Handles .jpg and .png images.

## Functionality/Tasks performed

* Means of adding and removing images to and from the collection.
* Visual mechanism for browsing images currently in the collection.
* Means of assigning tags, i.e. text strings up to 50 characters, to images.
* Means of removing tags from images.
* Means of filtering the collection via free-text search on the tags.
* Histogram visualization of tag lengths for entire collection of tags.

## Interfaces (code and/or graphical)

We are leaving the design of the graphical user interface up to you. There are no requirements for external components to interface with this application.

## Outputs

None.

## Dependencies

* AngularJS
* Bootstrap3
* (please feel free to add to this list as you see fit)

## Security

None.