

Problem Analysis

Vicky Gong

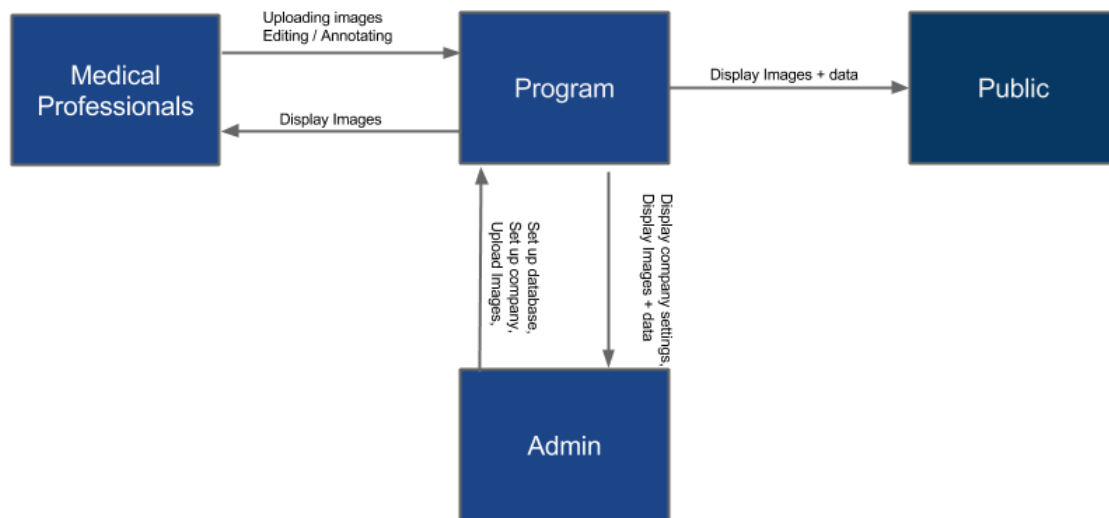
Application Idea: ImageMed – an Image database and annotator for the medical field

Potential Purposes (in order of importance):

1. Allow medical professions to be able to add and visualize important information on a medical image and to save those images for later uses.
2. Allow for image analyses to be collaborated and built upon.
3. Allow for organization of a large set of images and data related to each other.
4. Allow images with similarities to be found.

Context

(Vicky's)



Concepts

- Augmented Images: images with additional information overlaid on and associated with the image, as well as associated contributors. (purpose 1, 2)
- Annotations: markings on an image that involve text (description), or links (to outside sources). (purpose 1, 3)
- Tags: one-word associations with the images that are searchable. (purpose 3,4)
- Users: users have at minimum: an identity (a medical license associated with the user), and permissions allowing access to certain images. (purpose 1,2)

Data Model

Vicky's Data Model

