

# Problem Analysis

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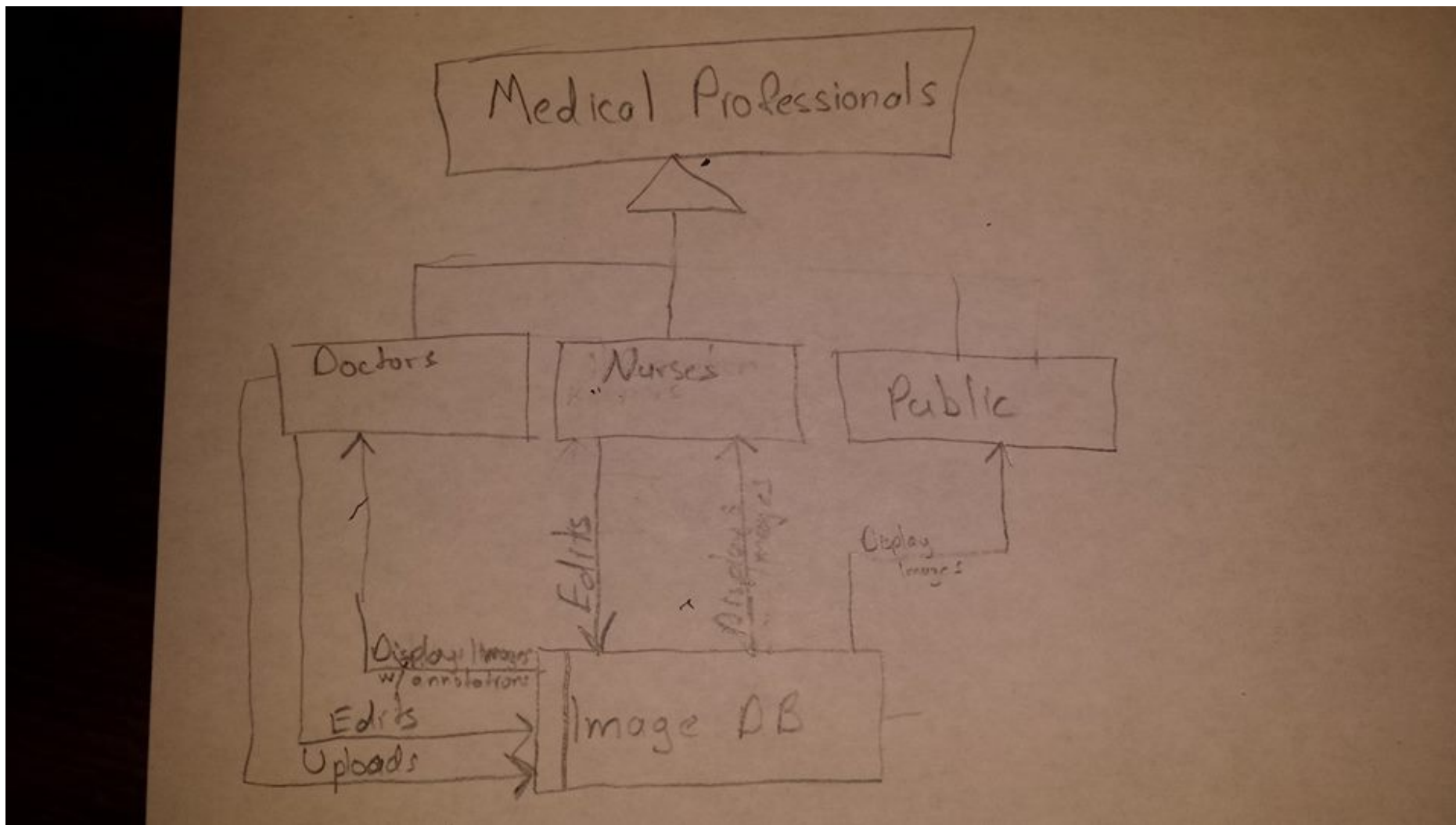
**Application Idea:** Medical Image Finder & Note taking tool

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**Potential purposes** *(In order of priority):*

- **1)** Give medical professionals a tool for organizing and displaying important data in medical images.
    - *Difficulty:* Medium
  - **2)** Allow medical professionals to compare sets of similar medical images.
    - *Difficulty:* Easy-Hard, depending on implementation
  - **3)** Analyze medical images for important features
    - *Difficulty:* Hard
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**Context:**



## Concepts

- *Image annotation:*
  - *Purposes fulfilled:* 1), 2)
- *Image notes/tags:* Tag images, basically annotations for the entire image. Another place to write notes for the image
  - *Purposes fulfilled:* 2)
- *Tag comparison:* Based on tags that images may have, find images with similar tags
  - *Purposes fulfilled:* 2)

- *Image analyzation algorithm*: Instead of having users manually input annotations, analyze image for sections of high concern and automatically annotate accordingly
  - *Purposes fulfilled*: 3)

## Data Model

