SDI Requirements

Functional Requirements:

Process:

* Allow users to draw labels over an image
* Create, edit and delete classes
* Display all annotations over the selected image

Information:

* Select and load images from local storage
* Save all classes and their appropriate annotations
* Save all annotations with their associated class and image

Non-Functional Requirements:

* Use multi-threading technology
* Save files in a plaintext format
* Allow the user to open .jpg and .png images
* The program should be able to run on multiple operating systems (Mac & windows)
* Allow the user to sort classes using sorting algorithms
* Use efficient data structures to store data throughout the program
* Draw annotations with automated aspect ratios
* The service should be available to users at any time
* Data should be protected under the Data Protection Act
* No political / cultural requirements
* User’s should be able to edit annotations after they’ve been drawn on
* Annotations and classes should be auto saved every minute
* Using the QT creator framework to create a dynamic and smooth GUI