Project #5 Final Project

Due May 5th, 2014 5:00pm

Description

Your team now had all the needed components to assemble a full image search engine. Your system should include:

- An image database. I will let your team to decide. The only constraint is that the image database needed to have at least 10k images.
- An indexer, where you build the representation for each image, which will support the query-by-image functionality.
- A ranking algorithm, what scoring function you should use to judge the relevance of your results to the query?
- A GUI to visualize and present your search results.

Some system consideration:

- The search results should be returned in 1 or 2 seconds.
- Please refer to Google and BING Image Search engine to get a sense on how they presented their results.

What to turn in?

You should make a team report in a PDF file and name it as:

[lastname1]_ [lastname2]_ [lastname3]_ [lastname4]_ [lastname5]_FINALPROJ.pdf

For your program, you may use any programming language. However, your submission should include the executable, the source code, and a detailed readme file on how to run it. You should have a detailed report in the written part of your project on what you have tested and what are the results you obtained. Be sure to include your own analysis. Please make sure you packed additional dependent libraries, if any, used in your program. If your program cannot run, you lose 0.5 point automatically.

Package your PDF file with the code and supplementary Readme file in a single ZIP file as:

[lastname1]_ [lastname2]_ [lastname3]_ [lastname4]_ [lastname5]_FINALPROJ.zip

and please submit it through the Moodle system.

Grade: 10% with bonus

Late submission policy applies universally with no exception.

If you have a compelling excuse, you must inform me at least 2 days before the due date. I don't accept excuses such as "I am overloaded by other courses".