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September 7, 2010
CS 195 BTL-1

- Write a small program to get to know the workings of Oracle Berkeley Database. Did you need a special library for this? How do you query, add, and delete items since there is no support for any query language?
    o This is a needed task because I have not used this database before and my project needs a database to store all of the data from each source.
- Write a KML file using a text editor and open in Google Earth to see the results. Experiment with all of the KML tags. What tags are going to be very important to your project? Are there any features in KML that you want to use for special features?
    o This project uses KML files to display the search results in Google Earth as well as the relationships between the results. It is important to learn all of the features KML has so that the results are clearly mapped out with the intended information.
- Write a Java program to write out KML and open in Google Earth to see the results. What libraries did you have to use? What issues, if any, did you come across?
    o After understanding what can be done in a KML file, I must know how to write out the KML using Java in order to automate the creation of KML once an item is indexed.
- Write a Java program to read in RSS feeds from a given URL and parse through the feed. What is the format of the RSS feed? Is there any information not given in the RSS feed that you will need for your project? Any ideas where to get that information from? Any objects in mind for storing the data from the feed?
- Figure out how to create a list of locations in the world and their respective geocoordinates. Did you look at reading in Wikipedia and automating the processs? Are there any services out there that you can use to determine what are city, country, or state names?
- Create a small Java program that takes in a URL of a document, image, website, or KML file and then open that item it's preferred program (ie. a .doc file will open in Microsoft Word). What libraries were needed for this? Do you foresee any difficulties with this task?
- Outline ideas for text processing for keywords. What major problems do you think will come up and why? What data structures are you considering? Have you researched what others have done for determining keywords?