Download and unzip the folder from the course website. **Do not down xgoogle from the website below, only use the link as a guide on how to use it.** We placed the modified library in the folder with the other files. Xgoogle has not been updated to the new format of Google’s website, so we have to change it manually.

**SearchBase.py**

This abstract base class interfaces with the xgoogle library (by Peteris Krumins, found at <http://www.catonmat.net/blog/python-library-for-google-search/>).

*Methods:*

search(self, query, rpp):

@param query: string of keyword(s) on which to perform a Google search

@param rpp: number of desired results per page to retrieve

(recommended: 100)

@return list of Google search results

Abstract method of SearchBase. Must be implemented in subclasses.

**SportsSearch.py**

This class is a sample subclass of SearchBase.py, to serve as a basic example of how to extend this and implement for the purposes of this assignment.

*Methods:*

search(self, query, rpp):

@param query: string of keyword(s) on which to perform a Google search

@param rpp: number of desired results per page to retrieve

(recommended: 100)

@return list of Google search results

Extends the abstract method of SearchBase. Performs the Google search by invoking SearchBase.search(), and prints the results

printResults(self):

Prints the list of Google search results, including the site title, description, and URL.

initDictionary(self):

Using the specified text file of keywords (keywords.txt), this method creates a dictionary to be used in rating the search results. The key values are the topic-specific keywords. The values are the order of these keywords in the file. It is assumed that the keywords are listed with the more important/valuable words at the bottom of the list.

reorder(self):

Calls to initialize the keyword dictionary, then scans the titles and descriptions of the Google search results. The value of each search result is increased by adding the mapped keyword value for each instance of keyword found. A tuple of the result and its value is added to a list, which is then reordered to place more valuable results at the top. The results are then printed with their value rank.

cmpfun(a,b):

This comparison method is used to sort the list of search result tuples by rank value, with the greatest values appearing first

@param a, b: tuples to be compared

@return -1, 0, or 1, based on whether a [1] > b[1]

See the Python Documentation and xgoogle library website for more information on subclasses and using this library.

Example Implementation (results in blue)

from SportsSearch import SportsSearch

test = SportsSearch()

test.search("team", 25)

Team - Wikipedia, the free encyclopedia

A team comprises a group of people or animals linked in a common purpose. Teams are especially appropriate for conducting tasks that are high in complexity ...

http://en.wikipedia.org/wiki/Team

The Evangelical Alliance Mission

Assists churches in sending missionaries to plant reproducing churches in other nations.

http://www.teamworld.org/

Team Leadership Development - Chairman Orrin Woodward

Get to know the Leadership of Team including Owner and Chairman of the Board, Orrin Woodward, as he shares leadership, success, and wealth building ...

http://www.the-team.biz/

Team Liquid - StarCraft 2 and Brood War Pro Gaming News

Team Liquid is a community site focused on StarCraft and StarCraft 2, with an emphasis on pro-gaming. Featuring StarCraft 2 news and information, videos, ...

http://www.teamliquid.net/

TEAM Industrial Services

Industrial repair, control services, mechanical inspection services, and ISO 9001 manufacturing and design.

http://www.teamindustrialservices.com/

Team | Define Team at Dictionary.com

a number of persons forming one of the sides in a game or contest: a football team. 2. a number of persons associated in some joint action: a team of advisers. 3. ...

http://dictionary.reference.com/browse/team

Tait's Every Animal Matters

Through innovative programs and services like the TEAM Mobile Feline Unit, Connecticut's only mobile spay/neuter and vaccination clinic for cats, TEAM helps ...

http://www.everyanimalmatters.org/

Team Gallery, José Freire

Team Gallery, a commercial art gallery dealing in work by emerging artists and the fringe of contemporary culture. Under the auspices of Jose Freire.

http://teamgal.com/

Twelve Tips for Team Building: How to Build Successful Work Teams

People in every workplace talk about building the team, working as a team and my team, but few understand how to create the experience of team work or how ...

http://humanresources.about.com/od/involvementteams/a/twelve\_tip\_team.htm

team - Psychology Today

Voltron is not just a super-awesome action-hero robot made of five mechanical cats. He is a message to kids: The whole is greater than the sum of the parts.

http://www.psychologytoday.com/basics/teamwork

Team In Training - Together We Train to Beat Cancer

Assists with fundraising and training for an endurance sports event. In exchange for the training and support, participants raise money toward a cure for ...

http://www.teamintraining.org/

TEAM

T.E.A.M., Inc. is an independent employee assistance program (EAP), serving companies and unions throughout Minnesota and across the country. The mission ...

http://www.team-mn.com/

The TEAM Project

The TEAM Project (Transmission Electron Aberration-Corrected Microscope). Recent Publications from TEAM. In December 1959, physicist Richard Feynman ...

http://ncem.lbl.gov/TEAM-project/

Home | TEAM Network - Early Warning System for Nature

Exciting TEAM Camera Trap Study: see press release and news coverage ... Terms of Use · Privacy Policy · Site Map · Site Credits · Support TEAM · Contact Us ...

http://www.teamnetwork.org/

Team Synonyms, Team Antonyms | Thesaurus.com

Synonyms for team at Thesaurus.com with free online thesaurus, antonyms, and definitions. Dictionary and Word of the Day.

http://thesaurus.com/browse/team

Dev-Team Blog

redsn0w.com · ultrasn0w.com. Software. Official Torrents. Donations. /dev/null. 516168 comments. by 104741 readers. IntenseDebate. Twitter. Team · bugout ...

http://iphone-dev.org/

Team – jQuery Project

Team. The jQuery Project is run by a distributed group of volunteers that all want to see jQuery become the best JavaScript tool possible. ...

http://jquery.org/team/

Welcome To WTT

News, E-News, WTT Social. Connect Online! Find WTT Leagues, teams, and players on the web, Facebook, Twitter, and more! more >. Smash Hits, Finals, Rec ...

http://www.wtt.com/

Home | TEAM Industries

TEAM Industries use ingenuity and engineering to create innovative driveline solutions for our customers. Our core competency is designing and manufacturing ...

http://www.team-ind.com/

USA Team Handball

National governing body provides programs, calendar, membership, employment opportunities and links.

http://usateamhandball.org/

World T.E.A.M. Sports changes lives through sports.

World T.E.A.M. Sports changes lives through athletics. We use sporting activities to challenge disabled and able bodied men, women and children to reach ...

http://worldteamsports.org/

Techniques for Effective Alcohol Management

"By using TEAM training and materials, we're sending the message to all staff that there's a real responsibility that comes with serving. It's really united the staff ...

http://www.teamcoalition.org/

All About Team Building

Learn about team building in this topic from the Free Management Library.

http://managementhelp.org/groups/team-building.htm

LifeSize Team 220

Group Video Conferencing with LifeSize Team. We provide HD quality multi party video conferencing for business.

http://www.lifesize.com/Products/Video/LifeSize\_Team\_Series/Team\_220.aspx

Vibration Test Systems & Solutions from Team Corporation

Single and multi-axis vibration testing systems for automotive, military, aerospace, and seismic applications. Products such as the CUBE, Pitch Table, 4 Poster, ...

http://www.teamcorporation.com/