

Appendix 4: Source code index

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#!/usr/bin/python2.3
# -*- coding: latin_1 -*-

#imports
import cgi
import string
import urlreader
import graphhandler
import drawgraph
import cgitb

def readTextFile(fileName):
    textFile = open(fileName)
    intext = textFile.read()
    textFile.close()
    return intext

def doit():
    form=cgi.FieldStorage()

    HTMLfile = readTextFile('html_skeleton.html')
    url = ""
    if( form.has_key('url')):

        url = form['url'].value
        url = url.strip()
        result = '<br /><p class="loweline"> %s</p>%url

        try:
            graph = urlreader.readWebsite(url)
            result += graphhandler.analyzeGraph(graph)
            imgpath = drawgraph.draw_graph(graph)
        except Exception, e:
            result = '%s: %s\n' % (e, url)
            imgpath = ''

        result = result.replace("\n", "\n<br />")
        result += '<br />'
        result += '%imgpath

    else:
        result = ''
    HTMLfile = HTMLfile.replace("${result}",result)

    print HTMLfile

cgitb.enable()

print 'Content-type: text/html'
print

doit()
```