Archived:Getting routes from Google Maps for JavaScript

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Overview

Location Based Services are one of the most used services in mobile application today. Sometime, routs are needed to determine how to go to a location more easily. This tutorial teaches how to get routs from Google Maps.

Preconditions

This example needs import some modules wich can be encountered File:Rout libs.zip. It also needs internet connection.

Source file

In this example we will get routs from Campina Grande to Joao Pessoa, both cities in Brazil. To get routs for other locations, just alter START_LOCATION and END_LOCATION string constants.

```
import urllib
from html_parser import *

START_LOCATION = "campina grande"
END_LOCATION = "joao pessoa"

def parser_html(start,end):
    rout_link = "http://maps.google.com/maps?dc=gorganic&eosr=on&source= \
                 mobileproducts&daddr=" + start + \
                "&output=mobile&site=local&saddr=" + end + \
                "&btnG=Como+chegar"
    GHTML = urllib.urlopen(rout_link)
    parser = Rout()
    parser.feed(GHTML.read())
    return parser

def get_rout(start, end):
    end = end.replace(" ", "+")
    start = start.replace(" ", "+")
    start = start.encode('utf-8')
    end = end.encode('utf-8')
    parser = parser_html(start, end)
    routlist = parser.return_list()
    parser.close()
    return routlist

routlist = get_rout(START_LOCATION, END_LOCATION)

try:
    for element in routlist:
        print unicode(element,'latin-1')
except:
```


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```
    print "Destination does not exist"
```

Postconditions

If all run ok we will get this result:

```
Head south on Av. Santa Catarina toward Av. Mato Grosso - 30 m
Turn left at Av. Mato Grosso - 0.2 km
Turn left at Av. Amazonas - 0.2 km
Turn right at Av. Espírito Santo - 1.1 km
Continue on R. Prof. Joaquim F V Galvão - 0.8 km
Turn right at BR-230 - 0.3 km
Slight right to stay on BR-230 - 10.8 km
Continue on BR-101 - 6.9 km
Exit onto BR-230 - 108 km
Continue on Av. Pref. Severino Bezerra Cabral - 2.9 km
Slight left at Av. Canal Go through 1 roundabout - 1.1 km
Make a U-turn at R. Tomaz Soares de Souza - 55 m
```


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