Project: Desktop Notifier

Language: Python 3.8

Description: Desktop notifier is a application which produces a notification in the form of message on your desktop. It fetches the RSS feed of the website while parsing XML tree.

Modules:

1. requests
2. xml.etree.ElementTree
3. notify2
4. time

RSS is an open method for delivering regularly changing web content. Any time you want to retrieve the latest headlines from a website, you can access the available RSS Feeds via a desktop RSS reader. RSS Feed is also customizable if your content changes frequently.

Working:

URL of the website is to be provided and the path of the “rssfeed.xml”, a HTTP response object is created. Parsingxmltree() function is a utility function to parse XML format rss tree.A root object is created and the corresponding namespace object is stored and returned.

Sample output:

{'description': 'Months after it was first reported, the feud between Dwayne Johnson and Vin Diesel continues to rage on, with a new report saying that the two are being kept apart during the promotions of The Fate of the Furious.', 'link': 'http://www.hindustantimes.com/hollywood/vin-diesel-dwayne-johnson-feud-rages- on-they-re-being-kept-apart-for-fast-8-tour/story-Bwl2Nx8gja9T15aMvcrcvL.html', 'media': 'http://www.hindustantimes.com/rf/image\_size\_630x354/HT/p2/2017/04/01/Pictures /\_fbcbdc10-1697-11e7-9d7a-cd3db232b835.jpg', 'pubDate': b'Sat, 01 Apr 2017 05:22:51 GMT ', 'title': "Vin Diesel, Dwayne Johnson feud rages on; they're being deliberately kept apart"}

The notify2 module has Notification function which displays the notifications provided with summary, message and icon as parameters.