Similarly, following this workflow, you can scrape data from any web site from which you want to retrieve data and build modules to retrieve other types of information from the Internet.

Text-Controlled Virtual Assistant

Here is an exercise for you: try to modify Melissa's code such that instead of executing the `main.py` Python file in the usual way, you give the following command:

```
$ python main.py -t
```

As a result, Melissa will take text input instead of voice input. This will help you to interact with the virtual assistant if you cannot speak for some reason. This may come in handy if your microphone does not work or if you are in a public room where speaking a command to your computer might be awkward.

To see my implementation of the text-controlled virtual assistant flag, visit the `Melissa-Core` repository under the `Melissa-AI` organization and take a look at the `main.py` file. But I really encourage you to try to implement this yourself before opening Melissa's repository.

Selenium and Automation

If you have had experience in quality assurance or automated testing, you can automate your daily web site testing with Melissa's help via Selenium. Even if you do not have any experience using Selenium, you should be pleased to know that you can do fun things with it. First, install `selenium` using pip:

```
$ pip install selenium
```

Now, create a file named `open_firefox.py` in the `GreyMatter` folder, and type the following code in it:

```
from selenium import webdriver

from SenseCells.tts import tts

def open_firefox():
    tts('Aye aye captain, opening Firefox')
    webdriver.Firefox()
```

On the first line, you import `webdriver` from the `selenium` module. Then you call the function `webdriver.Firefox()`, which opens the Firefox web browser. To implement it, open `brain.py` and make the following code changes/additions:

```
from GreyMatter import tell_time, general_conversations, weather,
define_subject, business_news_reader, open_firefox

    elif check_message(['open', 'firefox']):
        open_firefox.open_firefox()
```