web scrapping

April 6, 2023

```python
[74]: from flask import Flask, render_template, request,jsonify
      from flask_cors import CORS,cross_origin
      import requests
      from bs4 import BeautifulSoup as bs
      from urllib.request import urlopen as uReq
```

```python
[3]: !pip install flask-cors
     !pip install flask
```

```
Collecting flask-cors
  Downloading Flask_Cors-3.0.10-py2.py3-none-any.whl (14 kB)
Requirement already satisfied: Six in /opt/conda/lib/python3.10/site-packages
(from flask-cors) (1.16.0)
Collecting Flask>=0.9
  Downloading Flask-2.2.3-py3-none-any.whl (101 kB)
                               101.8/101.8

kB 3.0 MB/s eta 0:00:00
Requirement already satisfied: click>=8.0 in
/opt/conda/lib/python3.10/site-packages (from Flask>=0.9->flask-cors) (8.1.3)
Requirement already satisfied: Jinja2>=3.0 in /opt/conda/lib/python3.10/site-
packages (from Flask>=0.9->flask-cors) (3.1.2)
Collecting itsdangerous>=2.0
  Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
Collecting Werkzeug>=2.2.2
  Downloading Werkzeug-2.2.3-py3-none-any.whl (233 kB)
                               233.6/233.6

kB 8.7 MB/s eta 0:00:00
Requirement already satisfied: MarkupSafe>=2.0 in
/opt/conda/lib/python3.10/site-packages (from Jinja2>=3.0->Flask>=0.9->flask-
cors) (2.1.1)
Installing collected packages: Werkzeug, itsdangerous, Flask, flask-cors
Successfully installed Flask-2.2.3 Werkzeug-2.2.3 flask-cors-3.0.10
itsdangerous-2.1.2
Requirement already satisfied: flask in /opt/conda/lib/python3.10/site-packages
(2.2.3)
Requirement already satisfied: click>=8.0 in /opt/conda/lib/python3.10/site-
packages (from flask) (8.1.3)
```

```
Requirement already satisfied: itsdangerous>=2.0 in
/opt/conda/lib/python3.10/site-packages (from flask) (2.1.2)
Requirement already satisfied: Jinja2>=3.0 in /opt/conda/lib/python3.10/site-
packages (from flask) (3.1.2)
Requirement already satisfied: Werkzeug>=2.2.2 in
/opt/conda/lib/python3.10/site-packages (from flask) (2.2.3)
Requirement already satisfied: MarkupSafe>=2.0 in
/opt/conda/lib/python3.10/site-packages (from Jinja2>=3.0->flask) (2.1.1)
```

[5]: `searchstring = "iphone11"`

[6]: `flipkart_url = "https://www.flipkart.com/search?q=" + searchstring`

[7]: `flipkart_url`

[7]: `'https://www.flipkart.com/search?q=iphone11'`

[8]: `uclient = uReq(flipkart_url)`

[9]: `uclient`

[9]: `<http.client.HTTPResponse at 0x7fc07c0ab0a0>`

[10]: `flipkart_page =uclient.read()`

[ ]: `flipkart_page`

[12]: `flipkart_html=bs(flipkart_page,"html.parser")`

[ ]: `flipkart_html`

[14]:
```
"https://www.flipkart.com/apple-iphone-11-white-64-gb/p/itmfc6a7091eb20b?
↪pid=MOBFWQ6BVWVEH3XE&lid=LSTMOBFWQ6BVWVEH3XE9ADHVW&marketplace=FLIPKART&q=iphone11&store=ty
↪MOBFWQ6BVWVEH3XE.
↪SEARCH&ssid=s1yuur815s0000001678530930112&qH=d6db477051465f9a"
```

[14]:
```
'https://www.flipkart.com/apple-iphone-11-white-64-
gb/p/itmfc6a7091eb20b?pid=MOBFWQ6BVWVEH3XE&lid=LSTMOBFWQ6BVWVEH3XE9ADHVW&marketp
lace=FLIPKART&q=iphone11&store=tyy%2F4io&srno=s_1_1&otracker=search&iid=0ad0b490
-d776-4291-9d6f-
d219f4eb02ba.MOBFWQ6BVWVEH3XE.SEARCH&ssid=s1yuur815s0000001678530930112&qH=d6db4
77051465f9a'
```

[15]: `bigboxes = flipkart_html.find_all("div",{"class":"_2kHMtA"})`

[ ]: `bigboxes`

```
[41]: len(bigboxes)
```

```
[41]: 24
```

```
[58]: box = bigboxes[1]
```

```
[63]: # creating a hyperlink for the phone

      "https://www.flipkart.com/apple-iphone-11-white-128-gb/p/itme32df47ea6742?
       ↪pid=MOBFWQ6B7KKRXDDS&amp;lid=LSTMOBFWQ6B7KKRXDDSULUZ0N&amp;
       ↪marketplace=FLIPKART&amp;q=iphone11&amp;store=tyy%2F4io&amp;
       ↪spotlightTagId=BestsellerId_tyy%2F4io&amp;srno=s_1_3&amp;otracker=search&amp;
       ↪fm=organic&amp;iid=7204c552-f9fb-4f7d-982e-c0aa015ddde6.MOBFWQ6B7KKRXDDS.
       ↪SEARCH&amp;ppt=None&amp;ppn=None&amp;ssid=6eod5tuowg0000001678615813872&amp;
       ↪qH=d6db477051465f9a"
```

```
[63]: 'https://www.flipkart.com/apple-iphone-11-white-128-
      gb/p/itme32df47ea6742?pid=MOBFWQ6B7KKRXDDS&amp;lid=LSTMOBFWQ6B7KKRXDDSULUZ0N&amp
      ;marketplace=FLIPKART&amp;q=iphone11&amp;store=tyy%2F4io&amp;spotlightTagId=Best
      sellerId_tyy%2F4io&amp;srno=s_1_3&amp;otracker=search&amp;fm=organic&amp;iid=720
      4c552-f9fb-4f7d-982e-
      c0aa015ddde6.MOBFWQ6B7KKRXDDS.SEARCH&amp;ppt=None&amp;ppn=None&amp;ssid=6eod5tuo
      wg0000001678615813872&amp;qH=d6db477051465f9a'
```

```
[169]: # another method of creating href
       productlink = flipkart_url+box.a["href"]
```

```
[170]: productlink
```

```
[170]: 'https://www.flipkart.com/search?q=iphone11/apple-iphone-11-white-128-
      gb/p/itme32df47ea6742?pid=MOBFWQ6B7KKRXDDS&lid=LSTMOBFWQ6B7KKRXDDSULUZ0N&marketp
      lace=FLIPKART&q=iphone11&store=tyy%2F4io&spotlightTagId=BestsellerId_tyy%2F4io&s
      rno=s_1_3&otracker=search&fm=organic&iid=7204c552-f9fb-4f7d-982e-
      c0aa015ddde6.MOBFWQ6B7KKRXDDS.SEARCH&ppt=None&ppn=None&ssid=6eod5tuowg0000001678
      615813872&qH=d6db477051465f9a'
```

```
[171]: productreq = requests.get(productlink)
```

```
[172]: productreq
```

```
[172]: <Response [200]>
```

```
[173]: #Genrate the text version of the prod dump
       # use beautiful soup for div
       #store this in product_html
       product_html=bs(productreq.text,"html.parser")
```

```
[174]:  #click on the entire row which you want to scrap
        comment_box = product_html.find_all("div",{"class":"col _2wzgFH"})
```

```
[175]:  comment_box[1].div.div.text
```

```
[175]:  '5'
```

```
[176]:  # get all the ratings through for loop

        for i in comment_box:
            print(comment_box[1].div.div.text)
```

```
5
5
5
5
5
5
5
5
5
5
```

```
[177]:  comment_box[0].find_all("div",{"class":""})[0].div.text
```

```
[177]:  'Really satisfied with the Product I received… It's totally genuine and the
        packaging was also really good so if ur planning to buy just go for it.'
```

```
[178]:  # get all the comments through for loop

        for i in comment_box:
            print(i.find_all("div",{"class":""})[0].div.text)
            print("\n")
```

Really satisfied with the Product I received… It's totally genuine and the
packaging was also really good so if ur planning to buy just go for it.

Amazing phone with great cameras and better battery which gives you the best
performance. I just love the camera .

Great iPhone very snappy experience as apple kind. Upgraded from iPhone 7. Pros-
Camera top class – Battery top performed -Chipset no need to say as apple kind
-Security as you expect from apple – Display super bright industry leading
colour   accuracy and super responsive -Build quality as expect from apple
sturdy premium durable beautiful stylish. -Os most stable os in smartphone
industry Cons -No 5G-Display is not based on OLED technology -Charger headphones

and 1 apple stic…

I'm Really happy with the productDelivery was fast as well..it was a gift for my sister and she loved it so much.

It's my first time to use iOS phone and I am loving my upgradation   I love the color, I love the assebility of the phone…I need to learn more about its functionality, but as far as I have seen, it's quite easy and it has a lot of functions to work on, specially if you are a content writer or a blogger you get a lot of content creation platforms and they are really amazing. This phone not only for good quality photography but a lot of other task too.

Previously I was using one plus 3t it was a great phone And then I decided to upgrade I am stuck between Samsung s10 plus or iPhone 11 I have seen the specs and everything were good except the display it's somewhere between 720-1080 and it's not even an amoled it's an LCD display But I decided to go with iPhone because I have never used an IOS device I have Been an android user from the past 9 years I ordered IPhone 11 (128gb) product redMy experience after using 3 weeks 1. The delivery …

Value for money5 star rating Excellent cameraBattery backup full day in single charge.Tougher and water resistant design, glossy back.The screen has excellent brightness and contrast.Apple A13 Bionic is the fastest smartphone chip on the planet.Excellent battery life, fast charging support.Stereo speakers with great quality.

What a camera …just awesome ..you can feel this iPhone just awesome . Good for gaming also …try pubg in hd it's just wow

I was using Iphone 6s and also Oneplus 6t. Both mobiles were perfectly alright in Photos, gaming, and smooth interface . My 6s mobile getting battery issue. thought upgrade to 11. Really like this mobile of its Internal storage (compare to 6s) , camera and its touch feeling. Its a worth buying mobile for me.

Amazing Powerful and Durable Gadget.I'm am very happy with the camera picture quality, Amazing face id unlocked in dark room, Strong battery with perfect screen size as you can carry easily in pocket. This is my third iPhone. I shifted from android Samsung Note series to iPhone because of the strong build quality and peace of mind for next 3-4 years.Don't think to much just go for it and I suggest you to go for minimum 128gb variant or more 256gb. I've attached my puppy pics and no fi…

```
[184]: comment_box[0].find_all("p",{"class":"_2-N8zT"})[0].text
```

[184]: 'Simply awesome'

```
[187]: #get all using for loop
       for i in comment_box:
           print(i.find_all("p",{"class":"_2-N8zT"})[0].text)
```

```
Simply awesome
Perfect product!
Best in the market!
Value-for-money
Highly recommended
Worth every penny
Perfect product!
Highly recommended
Pretty good
Great product
```

```
[188]: # getting the customer name
       comment_box[0].find_all("p",{"class":"_2sc7ZR _2V5EHH"})[0].text
```

[188]: 'Flipkart Customer'

```
[189]: # genrating all the customer names
       for i in comment_box:
           print(i.find_all("p",{"class":"_2sc7ZR _2V5EHH"})[0].text)
```

```
Flipkart Customer
Flipkart Customer
Manish Raghuvanshi
George Haokip
Jimly  Gogoi
Vamshi  Chakrala
Chirag Rajput
Vishal Dubey
vijay hegde
Rahul Verma
```