

InstaBot Introduction – Part 1 (Evidence)

1 – Login to your Instagram Handle

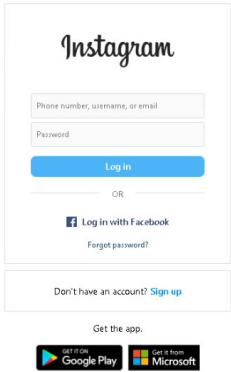
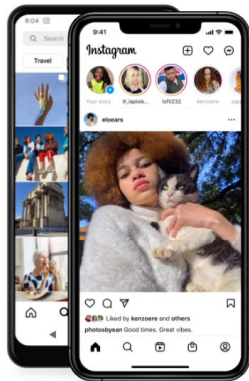
1.1 – Submit with sample username and password.

InstaBot Introduction - Part 1

Your friend has opened a new Food Blogging handle on Instagram and wants to get famous. He wants to follow a lot of people so that he can get noticed quickly but it is a tedious task so he asks you to help him. As you have just learned automation using Selenium, you decided to help him by creating an Instagram Bot. You need to create different functions for each task.

Note: Don't forget to remove your Username and Password from the python notebook before submission. Replace your username and password by 'SAMPLE USERNAME' and 'SAMPLE PASSWORD' where you have used them in your code for logging in to instagram Upload your code file for submission of this project

```
''' Load WebDriver & libraries '''  
  
from time import sleep  
from selenium import webdriver  
from selenium.webdriver.chrome.service import Service  
from selenium.webdriver.common.by import By  
from selenium.common.exceptions import NoSuchElementException  
  
from random import randint  
import pandas as pd  
  
service= Service(executable_path="//chromedriver")  
driver = webdriver.Chrome(service=service)  
driver  
  
[146] ✓ 1.9s Python  
... <selenium.webdriver.chrome.webdriver.WebDriver (session="4cd07c05a7c7af24f8a137fd4203dbd")>
```



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English © 2023 Instagram from Meta

2 – Type for “food” in search bar and print all the names of the Instagram Handles that are displayed in list after typing “food.”

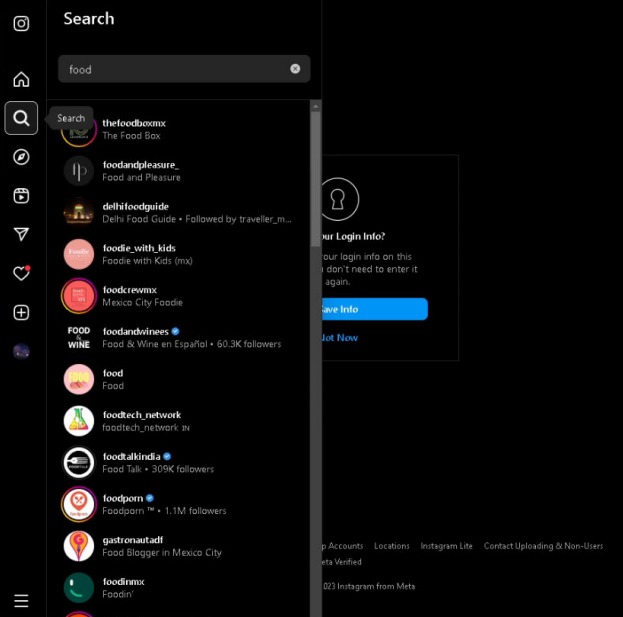
2.1 – Print all the names of the Instagram Handles that are displayed in list after typing “food”. Make Sure to avoid printing hashtags.

InstaBot Introduction - Part 1

Your friend has opened a new Food Blogging handle on Instagram and wants to get famous. He wants to follow a lot of people so that he can get noticed quickly but it is a tedious task so he asks you to help him. As you have just learned automation using Selenium, you decided to help him by creating an Instagram Bot. You need to create different functions for each task.

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from selenium.webdriver.chrome.service import Service  
from selenium.webdriver.common.by import By  
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from random import randint  
import pandas as pd  
  
service= Service(executable_path="//chromedriver")  
driver = webdriver.Chrome(service=service)  
driver  
  
[146] ✓ 1.9s Python  
... <selenium.webdriver.chrome.webdriver.WebDriver (session="4cd07c05a7c7af24f8a137fd4203dbd")>
```



Search
food

thefoodboxmx
The Food Box

foodandpleasure
Food and Pleasure

delhi food guide
Delhi Food Guide • Followed by traveller_m...

foodie_with_kids
Foodie with Kids (mx)

foodcrewmex
Mexico City Foodie

foodandvines
Food & Wine en Español • 60.3K followers

FOOD WINE
Food

foodtech_network
foodtech_network IN

foodalkindia
Food Talk • 505K followers

foodporn
Foodporn™ • 1.1M followers

gastromautadi
Food Blogger in Mexico City

foodrnx
Foodrnx

Log In Info?
Your login info on this
I don't need to enter it
again.
Log In Info
Log In

Accounts Locations Instagram Lite Contact Uploading & Non-Users
Meta Verified
©2023 Instagram from Meta

3 – Searching and Opening a profile using.

3.1 – Open profile of “So Delhi”

```
def open_profile(profile):
    home()
    sleep(5)
    turn_off_notifications()
    search(profile)
    first_element = driver.find_element("xpath", '//div[@role="none"]')
    first_element.click()
    sleep(4)
    print(profile, "opened")

[150] ✓ 0.8s Python
```

3.1 Open profile of "So Delhi"

```
open_profile('So Delhi')

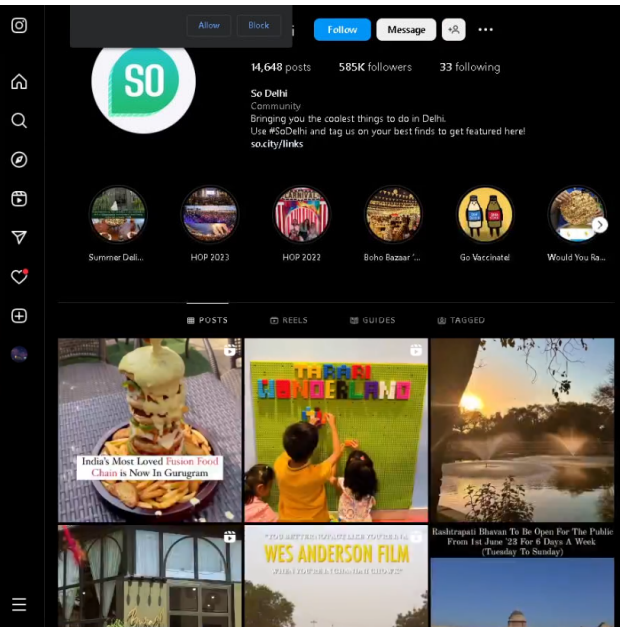
[151] ✓ 27.2s Python
```

... So Delhi opened

4 - Follow/Unfollow given handle

```
def follow_current_profile():
    follow_button = driver.find_element(By.XPATH, '//button[1]')
    if (follow_button.text == 'Following'):
        print("Already following")
        return
    follow_button.click()
    print("You started following current profile")

def unfollow_current_profile():
    follow_button = driver.find_element(By.XPATH, '//button[1]')
    if (follow_button.text == 'Follow'):
        print("You started following current profile")
        return
    follow_button.click()
    print("You started following current profile")
```

The image shows the Instagram profile of 'So Delhi'. The profile has a green and white circular logo with the letters 'SO'. It has 14,648 posts, 585K followers, and 33 following. The bio says 'So Delhi Community. Bringing you the coolest things to do in Delhi. Use #SoDelhi and tag us on your best finds to get featured here! so.city/links'. Below the bio are several story highlights. The main feed shows a grid of posts, including a burger, a child playing with blocks, and a sunset.

4 – Follow/Unfollow given handle

4.1 – Open the Instagram Handle of “So Delhi”

4.2 – Start following it. Print a message if you are already following.

```
def open_profile(profile):
    home()
    sleep(5)
    turn_off_notifications()
    search(profile)
    first_element = driver.find_element("xpath", '//div[@role="none"]')
    first_element.click()
    sleep(4)
    print(profile, "opened")

[152] ✓ 0.4s Python
```

4.1 Open the Instagram Handle of "So Delhi"

```
open_profile('So Delhi')

[160] ✓ 26.8s Python
```

... So Delhi opened

4.2 Start following it. Print a message if you are already following

```
follow_current_profile()

[169] ✓ 0.2s Python
```

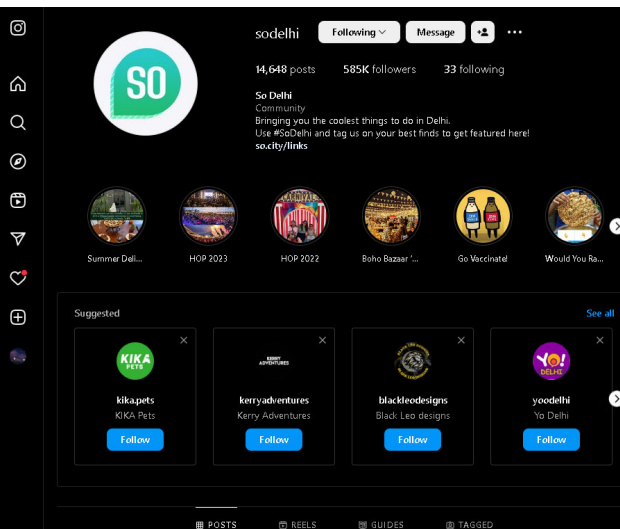
... You started following current profile

4.3 After following, unfollow the instagram handle. Print a message if you have already unfollowed.

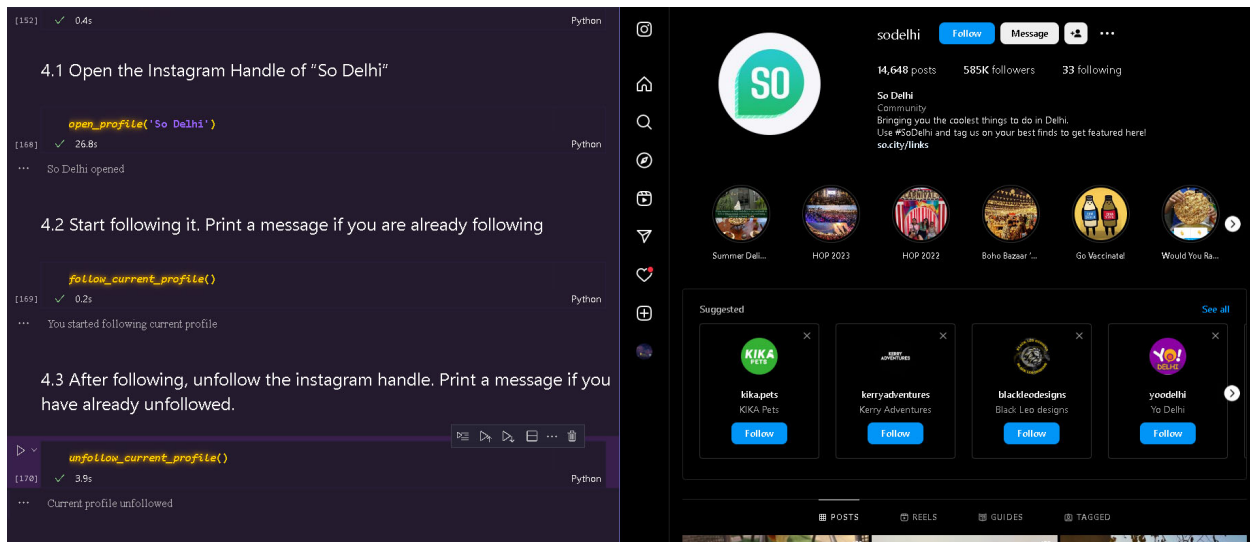
```
unfollow_current_profile()

[167] ✓ 3.9s Python
```

... Current profile unfollowed

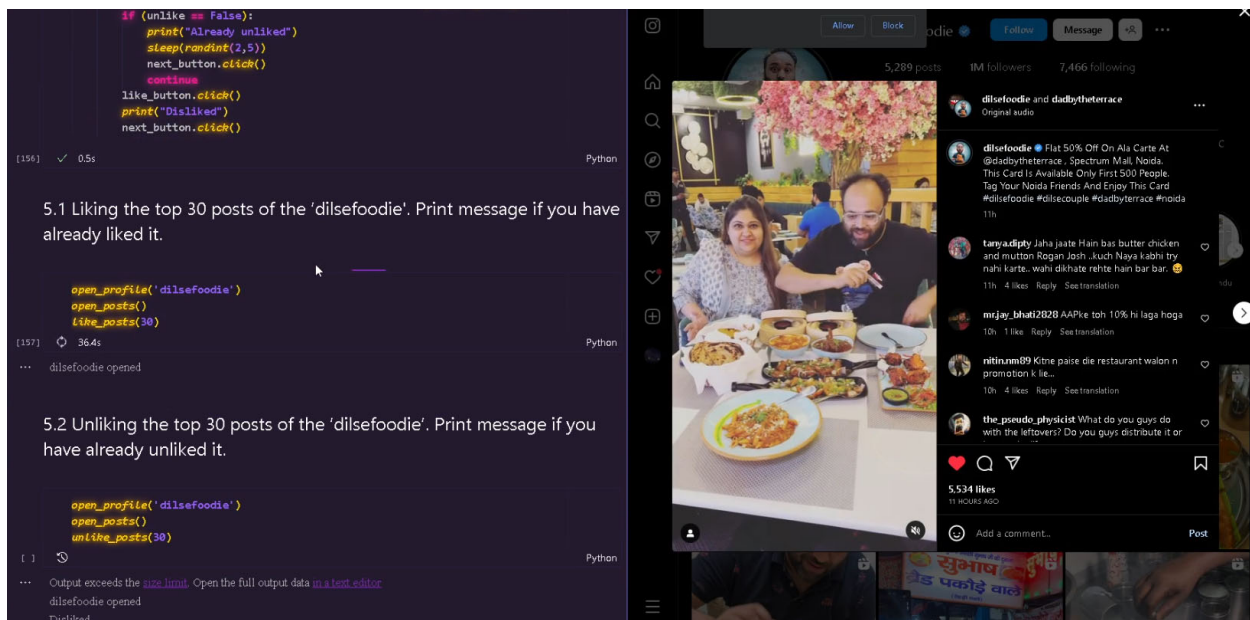
The image shows the Instagram profile of 'So Delhi' again. The profile is now marked as 'Following'. The bio and story highlights are the same. The main feed shows a grid of posts, including a burger, a child playing with blocks, and a sunset. Below the main feed, there is a 'Suggested' section with four recommendations: 'kikapets', 'kerryadventures', 'blackleedesigns', and 'yoodelhi'.

4.3 – After following, unfollow the Instagram handle. Print a message if you have already unfollowed.



5 – Like/Unlike posts

5.1 - Liking the top 30 posts of the 'dilsefoodie'. Print message if you have already liked it.



5.2 – Unliking the top 30 posts of the 'dilsefoodie'. Print message if you have already unliked it.

```

open_profile('dilsefoodie')
open_posts()
unlike_posts(30)

[158] 48.9s

... dilsefoodie opened
Disliked
Disliked
Disliked

```

6 – Extract list of followers

6.1 - Extract the usernames of the first 500 followers of 'foodtalkindia' and 'sodelhi'

```

profile = 'foodtalkindia'
open_profile(profile)
open_followers_box()
df_foodtalkindia_followers = extract_followers(500)
print(df_foodtalkindia_followers.iloc[0:500, 0])

[160] 32.6s

... foodtalkindia opened

profile = 'sodelhi'
open_profile(profile)
open_followers_box()
df_sodelhi_followers = extract_followers(500)
print(df_sodelhi_followers.iloc[0:500, 0])

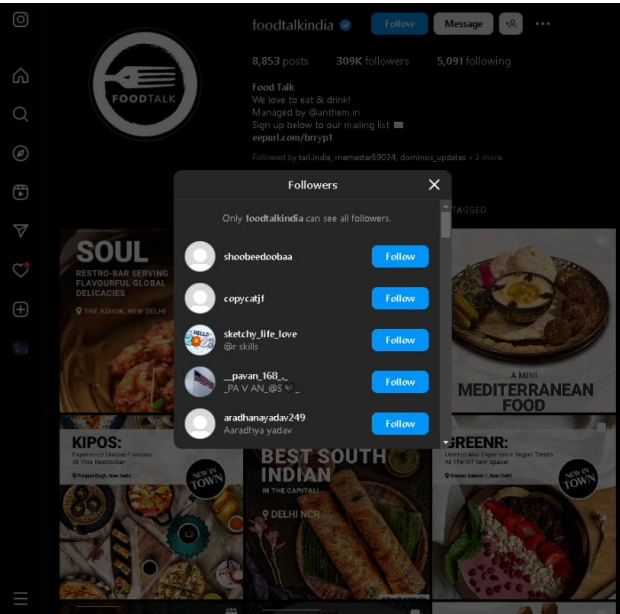
[ ] 0s

... sodelhi opened
0 mini_khandelwal_mk_lavi
1 disha_rana983
2 wondering_voyager_
3 kittypen_1
4 _isysay_

495 irfan_ahmed7
496 snap_rexwal
497 nitesh_choudhary_67
498 swati_yadav02
499 theoffbeatraveler
Name: Users, Length: 500, dtype: object

6.2 Print all the followers of "foodtalkindia" that you are following but those who don't follow you.

```



The screenshot shows the Instagram profile of 'foodtalkindia' with 309K followers. A 'Followers' modal is open, displaying a list of users who follow the account. The list includes usernames like 'thoobedoodbaa', 'copycatj', 'sketchy_life_love', 'pavan_160', and 'aradhanayadav249'. Each entry has a 'Follow' button next to it.

6.2 – Print all the followers of “foodtalkindia” that you are following but those who don’t follow you.

```
print("Followers of "foodtalkindia" I follow but don't follow me: ")
print(df_ifollow[mask2])

[ ] 1

... Followers of "foodtalkindia" I follow but don't follow me:
27 memester69024
42 simplecookingbynisha
44 traveller_musaafir
45 tari.india
Name: Users, dtype: object
```

7 – Check the story of 'coding.ninjas'. Consider the following Scenarios and print error messages accordingly.

```
canvas = story_button.find_element(By.TAG_NAME, 'canvas')
height = int(canvas.get_attribute("height"))
if (height == 168):
    print("There is a story not yet seen")
    print("Playing...")
    story_button.click()
elif (height == 166):
    print("You have seen this story already")
except NoSuchElementException:
    print("User has no story")
sleep(1)
```

[163] ✓ 0.8s Python

7.1 Check Story

Markdown

```
profile = 'coding.ninjas'
open_profile(profile)
story_status()
```

[164] 22.4s Python

Search

coding.ninjas

- coding.ninjas • 239K followers
- coding.ninjas_srm Coding Ninjas - SRMIST
- codingninjas Coding Ninjas
- campusteam_codingninjas Campus Team - Coding Ninjas
- codingninjas.lpu CODING NINJAS LPU
- coding_ninja_20 Coding Ninjas
- coding_ninjas_ca09 Coding Ninja's Ambassador2021
- codingninjas_ju Coding Ninjas JECRC University
- codingninjas_thapar Coding Ninjas - TIET