InstaBot-1

Question 1: Login to your Instagram Handle.

1. **Submit with sample username and password.**

Answer: we are following these steps.

- Firstly we Load all the important packages that are required in the project.
- We give an instagram login website link to the driver.
- We found the input element of the search field where we will need to input the user name and the password.
- We have passed the inputs with the send key function. And passed the user_name and password.
- We found an element of the button tag and just clicked on the login button.

Question 2: Type for "food" in the search bar and print all the names of the instagram Handles that are displayed in the list after typing "food".

1. **Note : make sure to avoid printing hashtags.**

Answer: we are following these steps.

- After logging into instagram we found the search Text box .
- I tried to find the element of search input field with xpath and then clear the input fields.
- We pass the "**food**" to the search box and a list appears. Once the list appeared I have picked all the options that were showing.
- And then I segregated the user_handles with hashtags and location by exploring and store to a list. Which I am printing at last.

Question 3: Searching and Opening a profile using ?

1. **Open profile of "So Delhi" ?**

Answer: we are following these steps.

- We tried to find the element of the search input field with xpath and then clear the input fields.
- We pass the "**so delhi**" to the search box and click on it.

Question 4 : Follow/Unfollow given handle-

1. **Open the Instagram Handle of "so delhi".**
2. **Start following it. Print a message if you are already following.**
3. **After following, unfollow the instagram handle. Print a message if you have already unfollowed.**

Answer : we are following these steps.

- After opening the "so delhi" profile.
- We found the element of the follow button tag here with the help of HTML reference and selenium.
- If we are following the profile then print a message "you are already following this profile". And if we are not following the profile then click on it, the follow button tag.

Question 5: Like/dislike posts

1. **Liking the top 30 posts of "dilsefoodie" profile. Print the message if you have already liked it.**
2. **Unliking the top 30 posts of the "dilsefoodie" profile. Print the message if you have already unliked it.**

Answer: we are following these steps.

- same thing here we passed the "**dilsefoodie**" to the search box and open the dilsefoodie profile.
- We have made a **like_unlike_post function**, that take argument "choose"(its may like or unlike strings)
- We found the element of the post and clicked on it.
- We take a counter loop that counts the 30 posts. and Found the like button element and clicked on it.
- Found the next button element and clicked on it.
- After liking the 30 posts. We again do the same things here. But this time we passed the "dislike" string argument to the like_unlike_post function.
- And unlike the 30 posts of the "**dilsefoodie**".

Question 6: Extract list of followers

1. **Extract the usernames of the first 500 followers of “foodtalkindia” and “sodelhi”.**
2. **Now print all the followers of “foodtalkindia ” that you are following but those who don’t follow you.**

Answer 6.1: we are following these steps.

- We made an open_profile(handle_name), that opens the profile of handle_name.
- We made another get_the_followers() function, that returns the list of followers.
- We found the element of the follower button and clicked on it.
- We run a loop that counts the top 500 followers and scrolling too , where we execute a script query that scrolls down and loads more followers.
- When our counts equal to 500, it will break out from the loop.
- We call the open_profile function that passed the “foodtalkindia” as an argument.
- Then we call the get_the_followers(), which returns the list of “foodtalkindia” followers.
- We print all the “foodtalkindia” followers' names from the return list.
- The same process we do with the “sodelhi” profile. Call the open_profile function and get_the_followers function.
- And print all the “sodelhi” followers' names from the return list.

Answer 6.2 : we are following these steps.

- Again we do the same things to get my followers. And we do the same steps which I have explained in the above steps.
- For the list of my following i declared the current_height, that stored the height of scrolling and then we ran a loop.
- Inside the loop we store the previous height of the scroll and execute the query that scroll down. When our previous height equals current height, it means we scroll our all following list. So we break out from the loop counter.
- We found the class name for all the elements of following profiles and that returned a list of following users.
- We read all the user profiles from the list and with the help of BeautifulSoup we retrieved the “user name”.
- We stored all the names into the “following” list.
- We convert ‘following list’ to SET.
- We convert ‘myfollowers list’ SET.
- We convert ‘foodtalkindia list’ to SET.
- Intersection with foodtalkindia and following lists.
- Then after intersection we minus the following list from the intersection result.
- If after minus operation we get a list , which length is ZERO then print the “No Such followers”. And if list length is greater than ZERO then print all the user names.

Question 7: Check the story of 'coding.ninjas' consider the following Scenarios and print error messages accordingly-

1. **If you have already seen the story.**
2. **Or the user has no story.**
3. **Or view the story if not yet seen.**

Answer: we are following these steps.

- We do the same thing here: open the coding.ninjas profile.
- We find the element of user stories ,if its attribute height equals to 168 then print " You have not seen the story yet! " and clicked on it. And watch all the stories on the browser screen.
- If attribute height equals to 166 then print "You have already seen the story!"
- If we not find such an element then we print ""The user has no story!""