Zillow Web Scrape – UiPath

-By Yashwant Sai Kishore Kandregula

About Automation:

This automation is used to extract the details of first 10 home sales in a particular location on Zillow website.

User Guide:

1. **INPUT:** Location Name is assigned to In_Location Argument.
2. **OUTPUT:** Trigger the job, csv files contain the extracted fields of all the homes.
3. Logs and errors can be observed form the orchestrator logs.
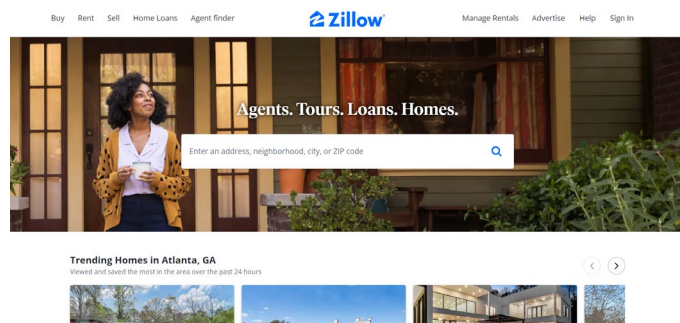
Architecture:

1. This automation uses Ui Automation and Data table activities.
2. Automation is a transactional process where each website URL is navigated, and fields are extracted to csv file.

Version Control:

Github : https://github.com/yashwant43/ZillowWebScrapeRPA

Automation Steps:

1. Zillow website is stored in str_WebsiteName.

2. Location is stored in str_Location.
3. Bot will navigate to the website using chrome incognito mode and uses type into activity to enter the location.
4. Enter is performed using Keyboard Activity.
5. Check app state activity is used to wait for the rent or sale screen to appear.
6. Bot clicks on the For sale button using click activity.

7. Table extraction activity is used to extract the URLs of first 10 homes and stores the info to dt_URL data table.

8. Build Data table activity is used to create a data table with required fields.
9. For each data row activity is used to loop each website.
10. Go to URL activity is used to navigate to each home url website.
11. Check app state is used to check the type of webpage. There are two types of webpages.
12. Fields are extracted from each website and stored to respective variables, regex is used to extract the required values.
13. Add data row activity is used to add the extracted info to dt_Extracted datatable.
14. File name is created based on the location and the extraction time.
15. Write csv activity is used to save the data table.

Screenshots:

Output:

Property Address	Price $	No of Beds	No of Baths	SQFT	Property Type	Year Built	Lot Size	Zillow's Estimate $	Property URL
900 N Point St #CB34J, San Francisco, CA 94109	1,98,000	2	2	####	Condominium				https://www.zillow.com/homedetails/900-N-Point-St-CB34J-San-Francisco-CA-94109/346266173_zpid/
984 Moscow St, San Francisco, CA 94112	4,99,000	3	2	####	Single Family Residence	1914	2,500		https://www.zillow.com/homedetails/984-Moscow-St-San-Francisco-CA-94112/15177041_zpid/
421 Velasco Ave, San Francisco, CA 94134	5,85,000	3	2	####	Single Family Residence	1952	2,495	6,41,800	https://www.zillow.com/homedetails/421-Velasco-Ave-San-Francisco-CA-94134/15175704_zpid/
161 Arbor St, San Francisco, CA 94131	########	3	2	####	Single Family Residence	1937	2,404	19,40,100	https://www.zillow.com/homedetails/161-Arbor-St-San-Francisco-CA-94131/15200512_zpid/
14-16 Museum Way, San Francisco, CA 94114	########	6	3	####	Triplex	1924			https://www.zillow.com/homedetails/14-16-Museum-Way-San-Francisco-CA-94114/332858214_zpid/
1183 Alemany Blvd, San Francisco, CA 94112	8,99,000	3	2		Single Family Residence	1932	2,138	10,12,900	https://www.zillow.com/homedetails/1183-Alemany-Blvd-San-Francisco-CA-94112/15186952_zpid/
1905 Baker St, San Francisco, CA 94115	########	3	3	####	Single Family Residence	1900	2,614	26,59,700	https://www.zillow.com/homedetails/1905-Baker-St-San-Francisco-CA-94115/15082124_zpid/
1674 40th Ave, San Francisco, CA 94122	########	2	1	####	Single Family Residence	1938	2,996	12,86,300	https://www.zillow.com/homedetails/1674-40th-Ave-San-Francisco-CA-94122/15108530_zpid/
88 Norton St, San Francisco, CA 94112	########	3	3	####	Single Family Residence	1925	1,851	12,81,500	https://www.zillow.com/homedetails/88-Norton-St-San-Francisco-CA-94112/15140064_zpid/