

# Zillow Web Scrape – UiPath

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## 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 from the Logs folder and 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:

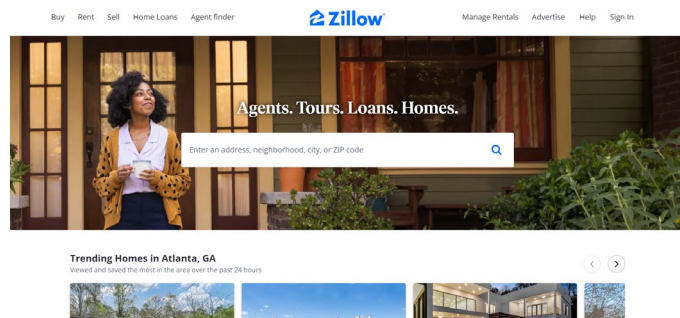
Github : <https://github.com/yashwant43/ZillowWebScrapeRPA>

## Logging:


Log files are created for each run, saved in Logs folder.

## 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.



What type of listings would you like to see?

[For sale](#)





[For rent](#)

[Skip this question](#)

- Table extraction activity is used to extract the URLs of first 10 homes and stores the info to dt\_URL data table.

Atlanta GA Real Estate & Homes For Sale  
3,750 results

Sort: Homes for You

<p>16 days on Zillow</p>  <p><b>\$189,900</b></p> <p>3 bds   2 ba   1,505 sqft - House for sale 2592 Saker Rd NW, Atlanta, GA 30318 RE/MAX</p>	<p>137 days on Zillow</p>  <p><b>\$35,000,000</b></p> <p>11 bds   20 ba   49,665 sqft - House for sale 3540 Woodhaven Rd NW, Atlanta, GA 30305 ATLANTA FINE HOMES SCHENCK INTERNATIONAL</p>
<p>Find homes in your budget</p> <p>See how much you can afford and get financed with us at Zillow Home Loans.</p> <p>Visit Website</p>	<p>8 bds   13 ba   12,770 sqft - New construction 4390 Paran Pl NW, Atlanta, GA 30327 COMING</p>
<p>22 days on Zillow</p>  <p><b>\$549,900</b></p> <p>5 bds   5 ba   4,095 sqft - House for sale 3927 Hannon Ln, Atlanta, GA 30349 COMING</p>	<p>30 days on Zillow</p>  <p><b>\$524,990</b></p> <p>2 bds   1 ba   1,360 sqft - House for sale 627 Gresham Ave, Atlanta, GA 30316 HOUSEFIND</p>

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

## Screenshots:

Output:

[illegible]