# 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 form 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.

A screenshot of a website

Description automatically generated

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

A screenshot of a phone

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

A screenshot of a home sale

Description automatically generated

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

## Screenshots:

### Output:

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