



Redfin Data Extraction **Scope Document**

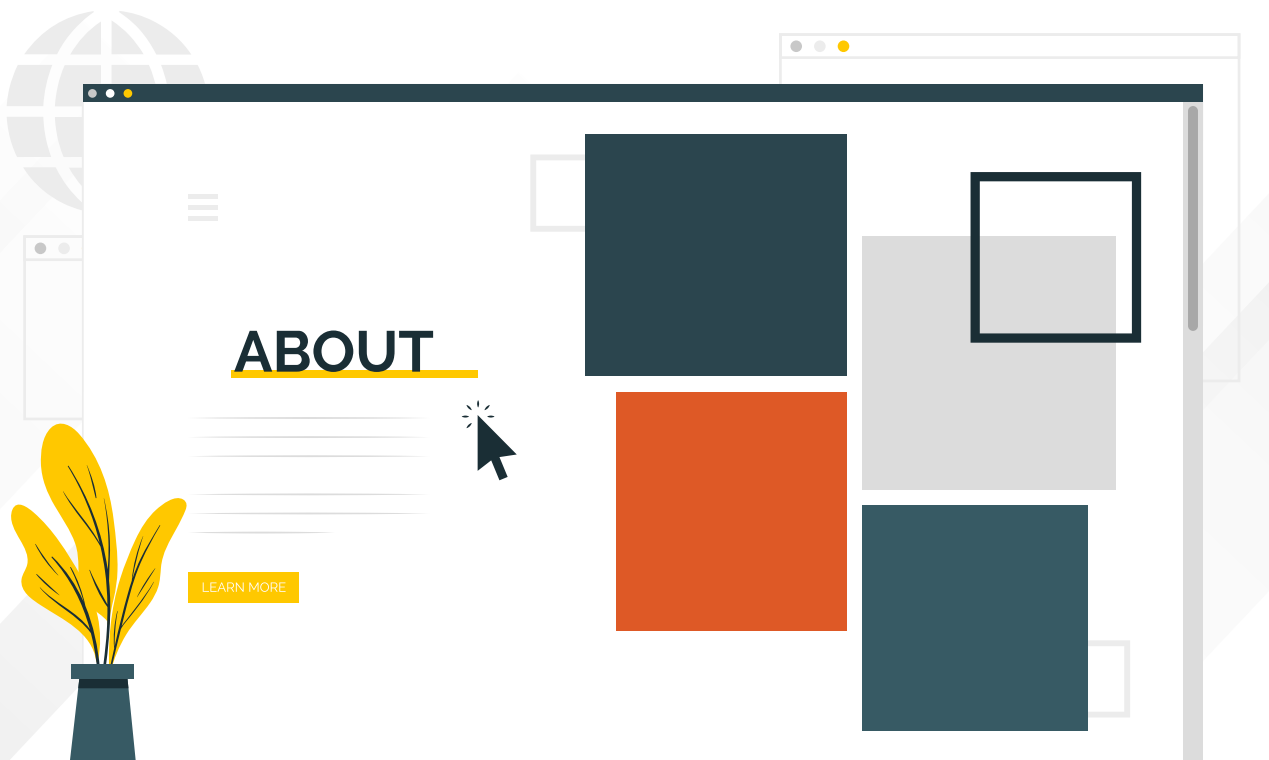
Submitted by,
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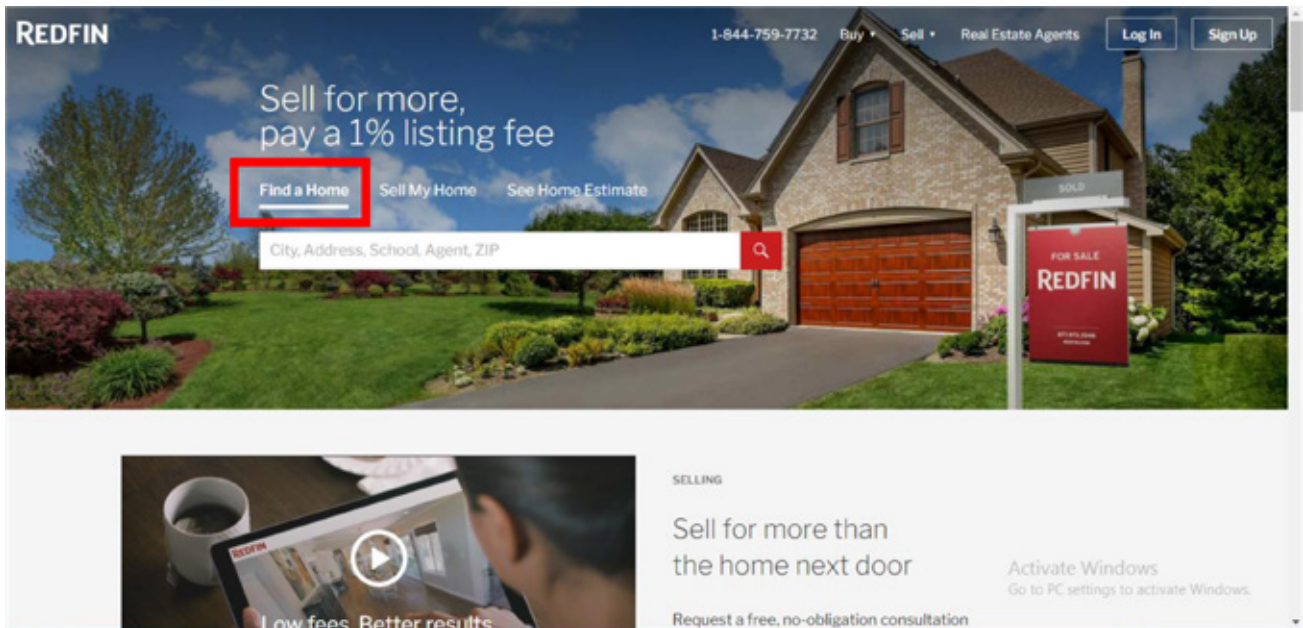
1. About the Document

The purpose of this document is to brief the scope to extract property details from Redfin (<https://www.redfin.com/>) a real estate brokerage portal for ADT Security Systems. This document will be treated as a base to develop the automation script for the bot.

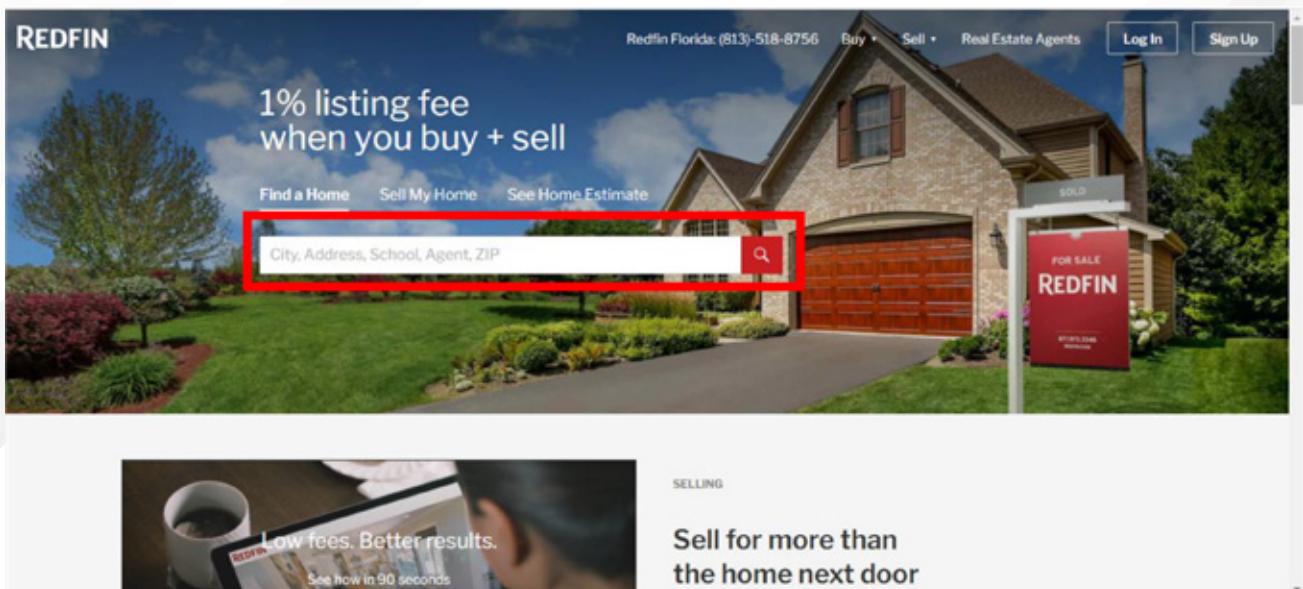


2. Bot Activity – Steps & Screenshots

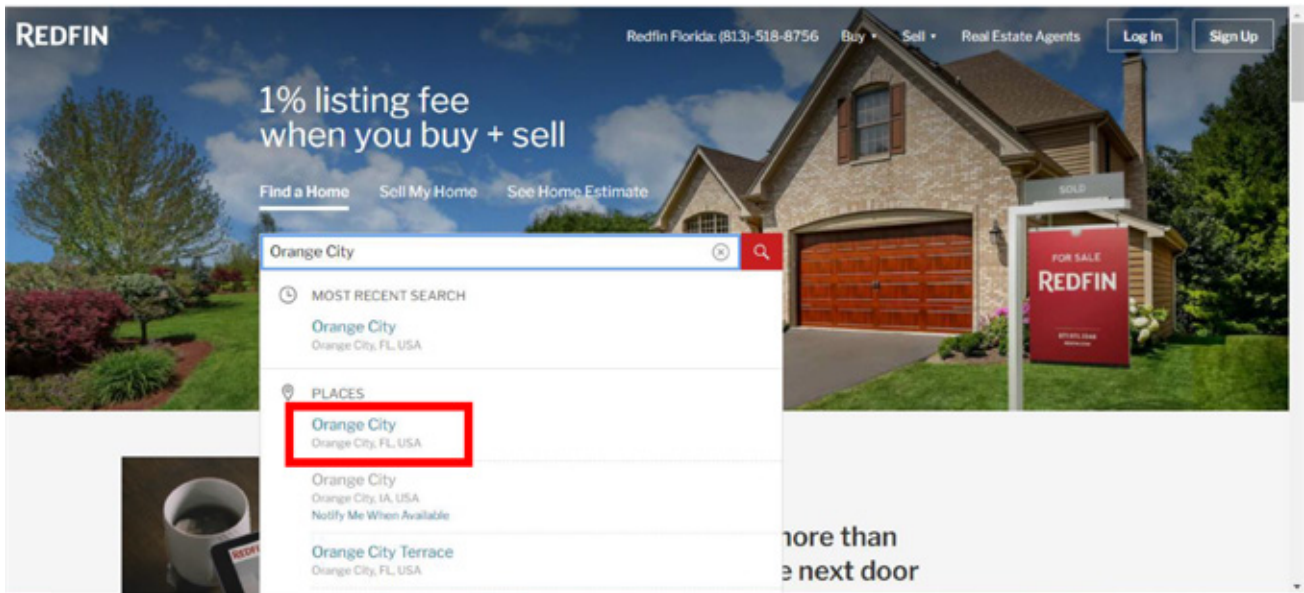
1. Bot launches <https://www.redfin.com/> and selects 'Find a home' option in their landing page



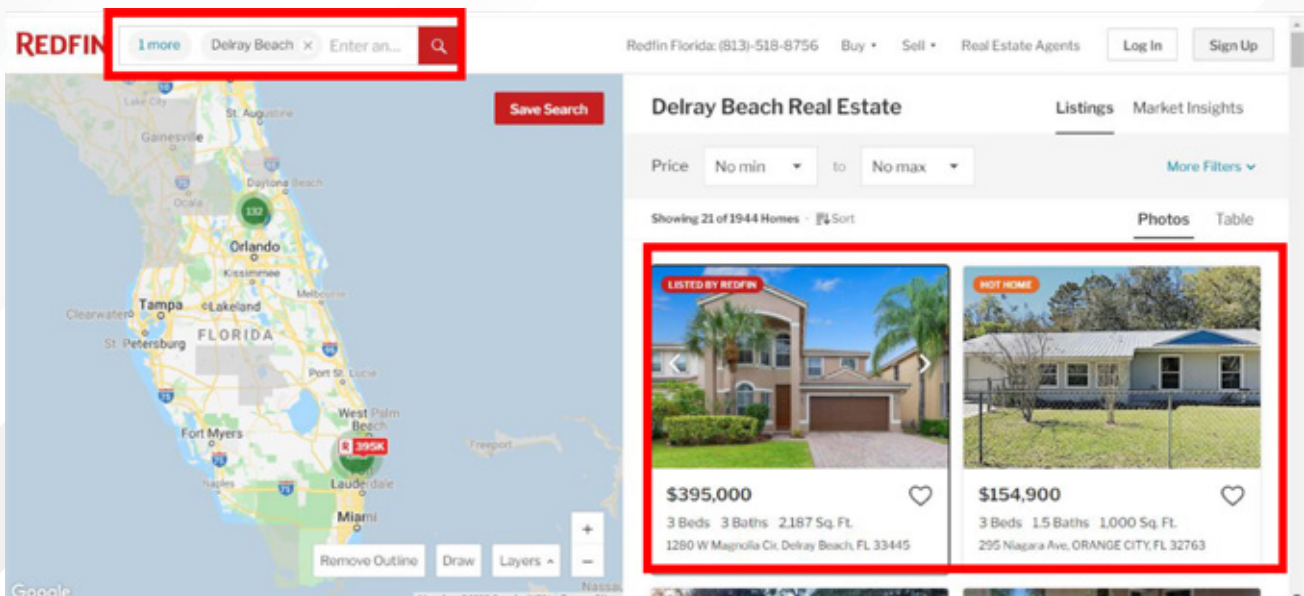
2. Bot enter the Cities name as 'Orange City' in the search box and picks 'Orange City, FL' from the dropdown list



2. Bot Activity – Steps & Screenshots

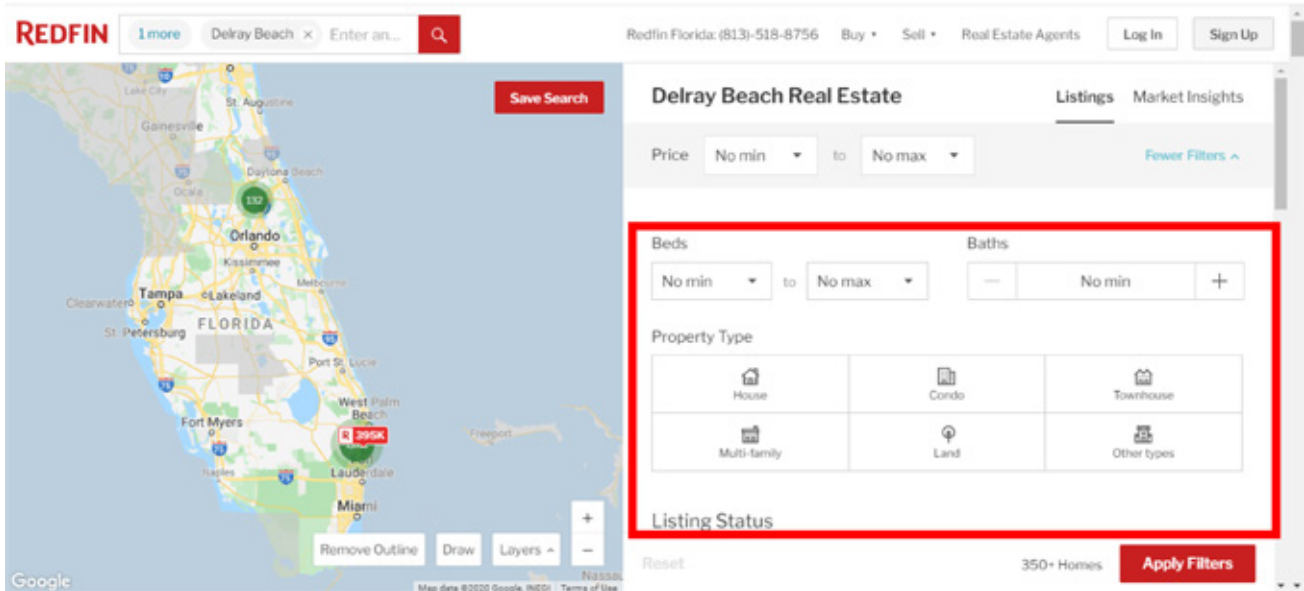


3. Bot enters City names Orange City and Delray Beach from the popular cities in Florida from the result listing page. Now the list of properties will be displayed at the right side of the page.

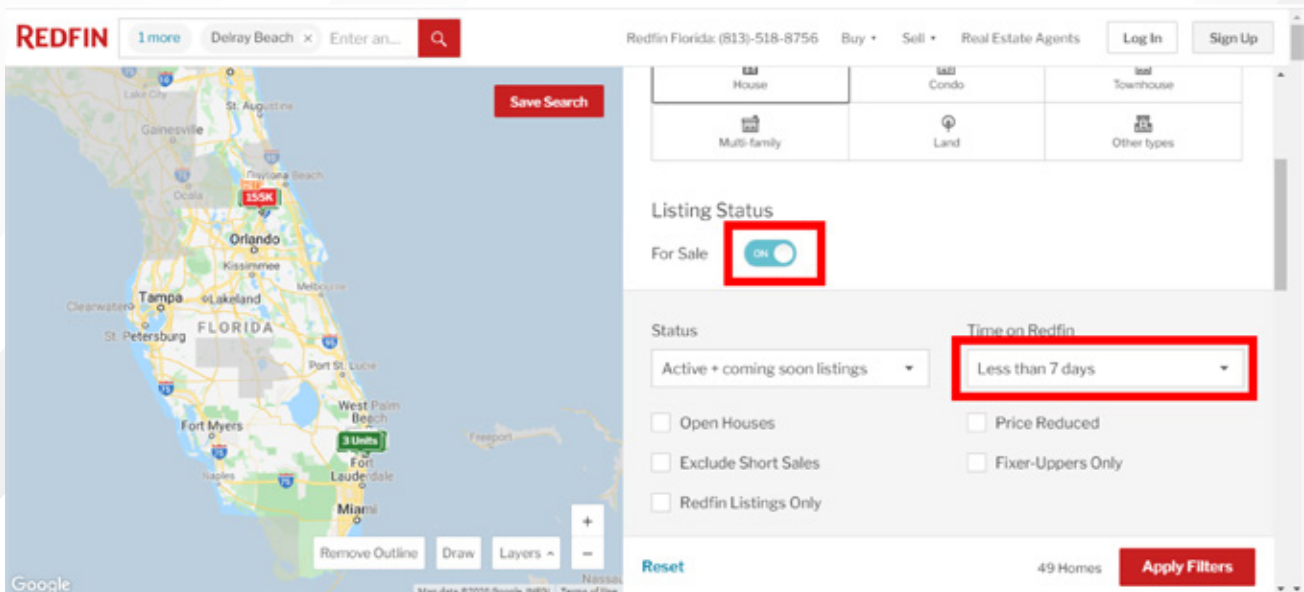


2. Bot Activity – Steps & Screenshots

4. In the property listing page, bot click on ‘More Filters’



5. Bot selects ‘House’ option as the property type, Switches the toggle to ‘For Sale’, Bot then selects time on redfin as ‘One week’ and clicks on ‘Apply Filter’ button



2. Bot Activity – Steps & Screenshots

6. From the result listing bot selects a property and extract the below details pertaining to the property as indicated in the screenshots,

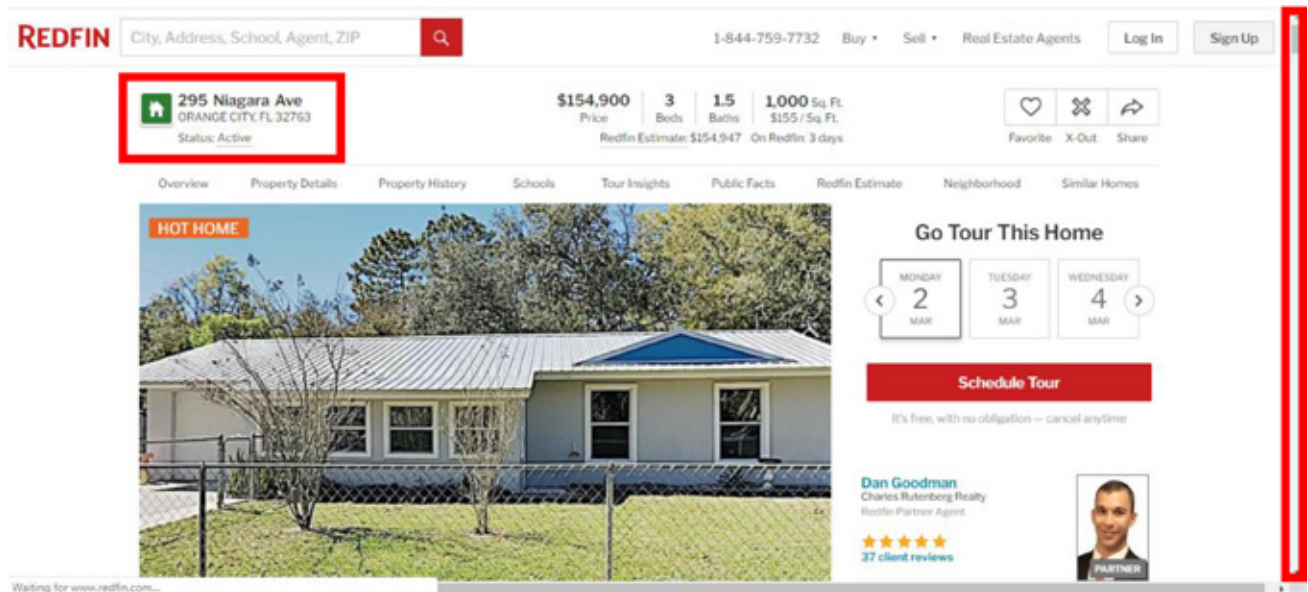
- City and State Name
- Postal Code
- Listing and Property Type
- Address
- Square Feet
- Listing Price and Date
- Time Stamp

Note:

- If Property listing and price is not found on the property page, select 'Listing details' from the sub menu and select 'See all property history'

The screenshot displays the Redfin website interface. On the left, a map of Florida shows a search area in the central part of the state. On the right, the 'Delray Beach Real Estate' search results are shown. The page includes a search bar, filters for price (No min to No max), and a list of 21 homes. Two listings are visible: one for \$154,900 at 295 Niagara Ave, Orange City, FL 32763, and another for \$225,000 at 2057 King Richards Ct, Orange City, FL 32763. The first listing's details are highlighted with a red box.

2. Bot Activity – Steps & Screenshots



7. When data extraction is complete for the property bot closes the tab
8. Bot appends the property details extracted in an excel file
9. Bot switches windows to the property listing page then selects the next property and repeat the data extraction steps for all the above listed attributes
10. Bot to terminate the process when data extraction is complete for all the property listing

2. Bot Activity – Steps & Screenshots

11. Extracted data of the RPA session to be available under the result tab of Qruize Magic portal

S/N	City	State	Postal Code	Listing Type	Property Type	Property Address	Square Feet	Listing Price	Listing Date	Sold Price	Sold Date	Source	Time-stamp
1	ORANGE CITY	FL	32763	For Sale	Home	295 Niagara Ave ORANGE CITY, FL 32763	1000	\$154,900	02/28/2020			Redfin	3/1/2020 11:40
2	ORANGE CITY	FL	32763	For Sale	Home	2057 King Richards Ct ORANGE CITY, FL 32763	1955	\$225,000	02/28/2020			Redfin	3/1/2020 11:41

Note: Likewise, we need to get the details from <https://www.trulia.com/> and <https://www.realtor.com/> websites and updated it in the Excel sheet. Then the details will be consolidated and mail sent to the client's mail ID.

