

Front-End Web Development

Homework 4

Homework Assignment

In this homework you will:

- Learn about refactoring and how developers refactor their applications.
- Add a new feature to Homework 3, which you completed last week.
- Introduce a new UI pattern: a modal window.



Revisit Your Trulia Assignment

In Homework 3, you should have made a page that looks something like the image on the right.

The screenshot shows a Trulia real estate listing page. The header is green with the Trulia logo and navigation links: Buy, Rent, Mortgage, Local Scoop, and More. On the right, there are links for Saved Homes, Saved Searches, and a user profile icon. Below the header, a sub-header reads "Homes For Sale & Real Estate in 20010: 79 homes available on Trulia". The main content area displays a grid of 12 property listings, each with a photo, price, and basic details. The listings include:

- \$475,000** ↓: 2bd, 42ba, 715 sqft, 3205 Georgia Ave NW #403, Pleasant Plains, Washington, DC
- \$774,900** ↓: 2bd, 42ba, 3615 10th St NW #8, Columbia Heights, Washington, DC
- \$600,000**: 3bd, 42ba, 3120 Park Pl NW, Pleasant Plains, Washington, DC
- \$630,000** ↑: 2bd, 42ba, 1,500 sqft, 3221 Vander St NW #1, Pleasant Plains, Washington, DC
- \$1,295,000**: 9bd, 42ba, 705 Kenyon St NW, Pleasant Plains, Washington, DC
- \$1,049,900**: 4bd, 42ba, 2,688 sqft, 1363 Oak St NW, Columbia Heights, Washington, DC
- \$720,000**: 3bd, 42ba, 1,850 sqft, 1307 Irving St NW #1, Columbia Heights, Washington, DC
- \$760,000** ↓: 3bd, 42ba, 1,920 sqft, 752 Park Rd NW, Columbia Heights, Washington, DC
- \$760,000** ↓: 3bd, 42ba, 1,920 sqft, 752 Park Rd NW, Columbia Heights, Washington, DC
- \$999,000** ↓: 2bd, 42ba, 2,395 sqft, 3511 17th St NW #7, Mount Pleasant, Washington, DC
- \$474,500**: 2bd, 42ba, 964 sqft, 1358 Kenyon St NW #8, Columbia Heights, Washington, DC
- \$399,000**: 1bd, 42ba, 462 sqft, 3205 Georgia Ave NW #505, Pleasant Plains, Washington, DC

Below the grid, there are pagination links: 1, 2, 3, >, and a text "1 - 30 of 79 Results". Below that, a breadcrumb trail reads "United States > District Of Columbia > Washington > 20010".

20010 Real Estate Insights

ZIP code 20010 is located in Washington, District of Columbia.

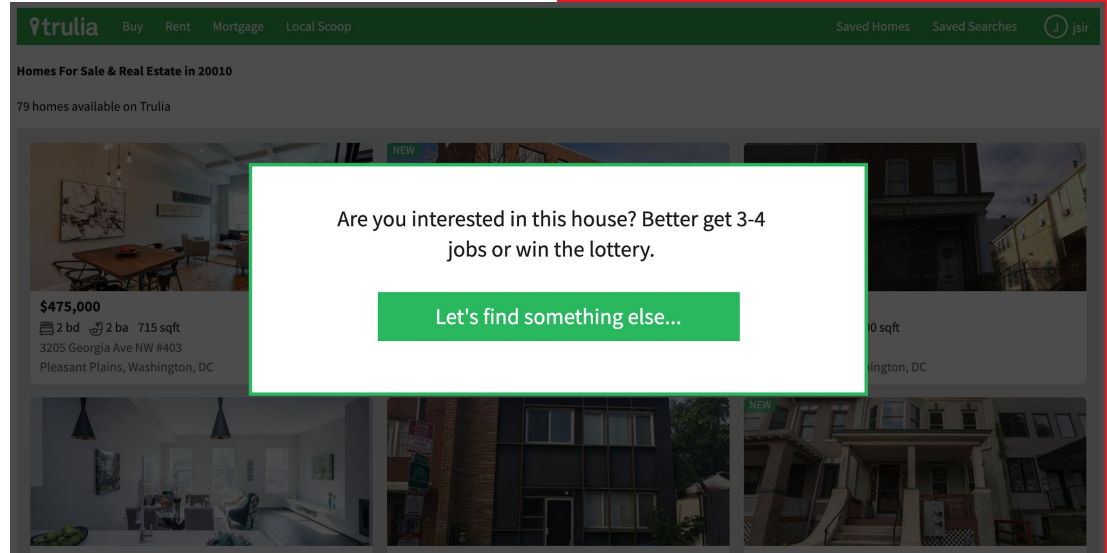
The plethora of grocery stores in ZIP code 20010 makes it easy to stock up on specialty foods, like organic and gluten-free options, without having to leave the area. There is easy access to public transportation, which is the preferred way to travel here due to its ease of use and abundant travel options. Bicycles are big sellers in ZIP code 20010; everyone seems to be riding these days, whether it's for the daily commute or a fun afternoon with the family. Many houses in ZIP code 20010 are historic, with one of a kind architecture, and it's close to see why it's so important to maintain them and keep history living on. This year, the average listing price grew to \$658,471 in this locale, a noticeable appreciation of 12.8 percent from \$585,528 the year prior. During the same period, inventory is noticeably increasing in this locale year-over-year, with a 30 percent increase in for-sale listings last year alone. Enjoy a cozy night in the fire, as many residences here come equipped with authentic fireplaces. ZIP code 20010 has some great historic estates so if you move to one of these homes, you'll be inheriting a piece of history. If you enjoy a view and the ability to see far and wide, consider a penthouse in this place for an unparalleled experience.

At the bottom, there is a footer with links: About Trulia, About Zillow Group, Careers, Investor Relations, Advertising Terms, Privacy, Terms of Use, Listings Quality Policy, Subscription Terms, and Ad Choices Help. Below these links is a copyright notice: "Copyright © 2020 Zillow Group, LLC. All rights reserved." and a link to "Email Us About Us". On the right, it says "Showing 79 of 79. move map to see more".



Homework 3 With a Modal Window

We're going to be adding a modal window, which is a kind of pop-up window that appears inside of a webpage.



Explore the Modal Window You Build!

Explore the solution to check out how the modal window works:

<https://codepen.io/GAmarketing/pen/ExjvxQw>

Things to Consider

- Think of the modal window as another layer on top of the page.
- The **position** property puts the modal on top of the page's content.
- Remember, **position** pops the element out of the typical DOM rendering position (this forces us to position it manually — we want a fixed position).



Your Next Step Up

This is a real-world scenario. You can work with a classmate, but you should each turn in your own assignments. Good luck!

Starter code: Homework 3



