



# Full-Stack Challenge

We'd like you to build a simple home address search that returns matching houses from a large set of houses – think Zillow but without the map. You will build the frontend that allows for user input to search and see results from that search. You will also build the backend which contains one endpoint that filters the homes from the search query and returns matching homes.

## Criteria

- Search returns homes related to address query (123 Fake St.)
- HTML/CSS/JS web app frontend (React or similar frontend framework, basic design)
- Backend with single endpoint (Rails, Node, etc) and ability to parse csv of homes (see below for getting csv of homes)
- Readme with instructions on how to run the app
- Basic styling and design

## Scope

This project is vague on purpose. You are given a lot of freedom to implement how you like given the criteria. We like to see how you can turn a open ended problem into a real tangible solution. You will be judged primarily on your ability to build a functioning app and on the quality of your code.

## Time

We ask that you complete this project in about a week but understand time restraints and are willing to adjust the deadline to meet your schedule. Please use git and use best judgement for commit messages etc.

## Deliverables

- Zip file or link to repo of source code with Readme on how to run the app

## Getting CSV

Follow these steps to get a csv of homes in San Francisco:

1. Navigate to this link: <https://www.redfin.com/city/17151/CA/San-Francisco>
2. Near the bottom of the page right above the pagination you'll see something like "Viewing page 1 of 7 (Download All)" - Click "Download All"
3. The address column is the one you're most concerned about, but it'd be helpful to show other data about homes in the search UI.

## Questions?

Feel free to ping John <[john@shoguninc.com](mailto:john@shoguninc.com)> with any questions you may have.