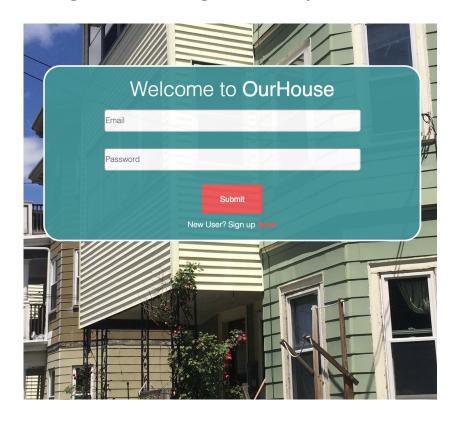
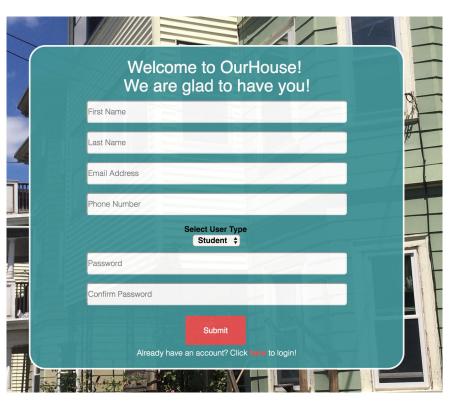


What is OurHouse?

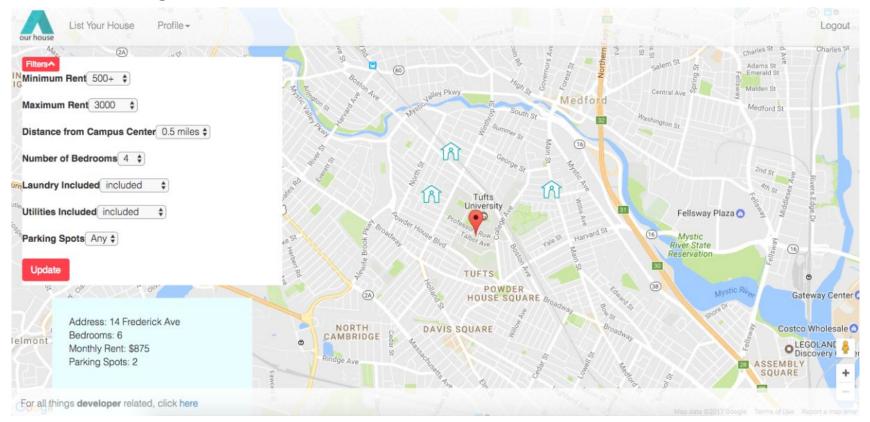
 A singular resource that allows college students to find affordable off-campus housing with reliable information from previous tenants and landlords. In short, it's the AirBnB of off-campus housing.

Login or sign up (as student or landlord)





Homepage



Create a listing



List Your House

Profile -

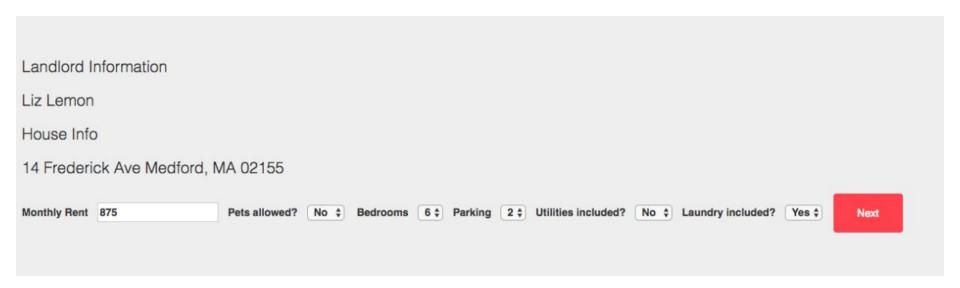
Logout

List Your House on Our House!

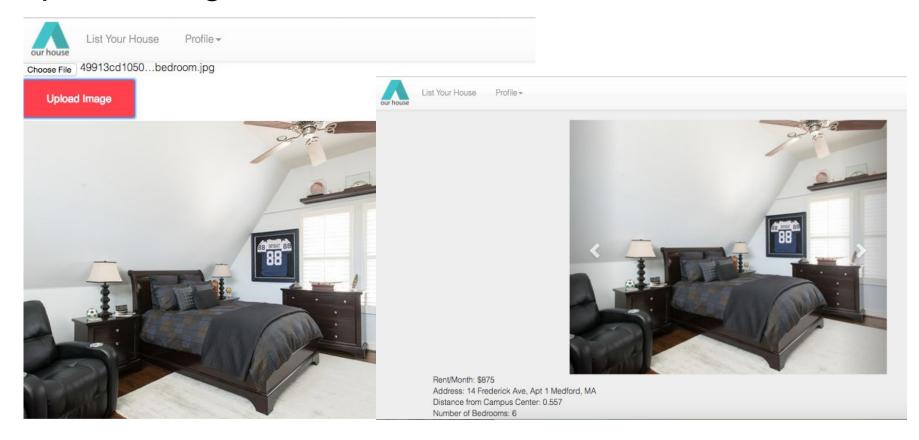
Landlord Information

		THO THICK OF T	
Landlord First Name	Liz	Landlord Last Name Lem	ion
	Landlord Email li	z.lemon@ge.com	
	Apartmer	t Information	
Address 1	14 Frederick Ave	Address 2 Apt 2	
Ci	ty Medford \$ State	e MA ‡ Country USA ‡)
	Zipcode 0215	5	
	Monthly rent 87	5	
Pets	s allowed? No \$ Be	edrooms 6 \$ Parking 2	‡
Uti	lities included? Yes \$	Laundry included? Yes	
	Date available January	1 \$ 2017 \$	

Edit listing



Upload images



Write a review



Profile Not Included Profile No Pets Allowed

Logout

The apartment is a spacious, sunny six bedroom in a two family on a quiet street. Newly renovated kitchen with wood floors. Very close to Tufts' gym. Half mile to medford square. The landlord, Liz, was great. She was always available when we needed her and is prompt to fix whatever issue may arise with the house. The onsite laundry was a plus. 5

2017-04-16 19:29:31.110213+00:00

Write your own review for this house!:								



Submit

Contact landlord

ter your email here.		



Someone is into your house!

Hey there Rachael,

Someone on OurHouse is interested in viewing your property!

We've included their contact information below so that you can get in touch with them to set up a viewing of the apartment. Please reach out to them soon! They've included the following message:

Hello, I am interested in this apartment and if you are seeing this message, you should know that I typed this message into the OurHouse website and then it put it into an email and sent it to you! How fun!

Contact this student by emailing them at fcaiazzo95@gmail.com

The OurHouse Team

Committed to helping you make your house their house!



If you didn't create an account using this email address, please ignore this email or send us an email to let us know.

What is the challenge area?

- How to accomplish singularity
 - Consolidation of information
 - Have all resources available in one place such that no user should have to leave our site in order to lease a home AND have access to a complete picture of the property
 - A site that carries the user from start to finish with as much transparency as possible

Why did we decide to delve into this area?

- We have all had the experience of trying to find a place to live and finding ourselves scouring three, four, five different websites in order to access the information we need
- And truthfully, much of the information that exists across all of these resources is basically synonymous...
- Lots of data, but lacks relevance, context, and meaning

craigslist

post to classifieds my account

search craigslist

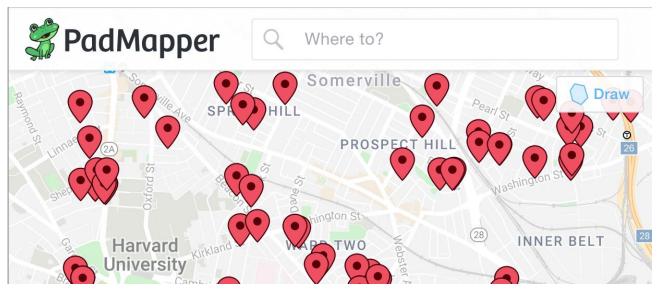
search

event calendar

M	T	W	T	F	S	S
17	18	19	20	21	22	23
24	25	26	27	28	29	30
1	2	3	4	5	6	7
8	9	10	11	12	13	14

help, faq, abuse, legal avoid scams & fraud personal safety tips terms of use privacy policy system status







Tufts Class of 2017

Do you know of any good landlords?

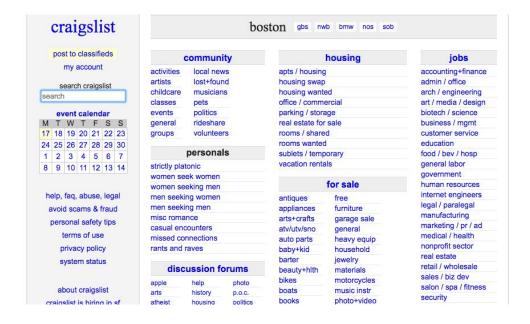
Companies that also face this problem

 In a generation where the success so many businesses hinges upon the distribution of information online, the problem of decentralized information is a big one.

 For example, if a consumer can more easily acquire all of the information they need from somewhere else, a company is likely to lose business.

Case Study: Craigslist

- Craigslist has been relatively unchanged since 1995
- Pretty 'ugly' interface
- BUT, is free and has simple categories with all relevant information in one place -> stood the test of time



Implications for businesses

The challenge: pick a category and centralize the information in a way that's it's easy to access and interpret



Graphic by: Andrew Parker

Our solution to singular resource

- Leverage APIs of other existing applications that are relevant to our site
- Data Scraping
- Interpret what the data means and communicate that to our audience

Solution (via prototype)



List Your House

Profile

Logout

Here's some more information we found about this house!

Home Description:

- This apartment features 8 bedrooms, 4 bathrooms, a living room, and a full kitchen - Newly renovated apartment! - Laundry on premise - Back deck for entertaining - Hardwood floors - Driveway parking - Very spacious unit - Tons of natural sunlight! - Stainless steel appliances - Granite countertops - Easy access to campus - Easy access to restaurants! - Call before it's gone! (RLNE2658080)

Parking Type:

Looks like there is no parking at this property. If you intend to have a car, you might want to look into street parking. You will need your car registered in Massachussets and proof of residency at this house. Visit here for more information.

Square Feet:

We couldn't find the square footage of this property. Contact the landlord if you would like to know.

Number of Floors:

We couldn't find information about the number of floors for this property. If you are interested, contact the landlord.

Types of Rooms:

We couldn't find information about the types of rooms at this property. Contact the landlord with any questions you may have.

Appliances:

We couldn't find any information about the appliances at this property. Talk with the landlord to know what appliances you should bring with you.

Heating System:

We couldn't find the heating system of this property. If you would like to know, contact the landlord.

Solution (via prototype)



List Your House ber Profile ors:

Logout

We couldn't find information about the number of floors for this property. If you are interested, contact the landlord.

Types of Rooms:

We couldn't find information about the types of rooms at this property. Contact the landlord with any questions you may have.

Appliances:

We couldn't find any information about the appliances at this property. Talk with the landlord to know what appliances you should bring with you.

Heating System:

We couldn't find the heating system of this property. If you would like to know, contact the landlord.

Heating Source:

We couldn't determine the heating source at this property. Contact the landlord if you would like to know.

Year Built:

We couldn't find the year this house was built. If you would like to know, contact the landlord.

Year Updated:

We coudldn't determine the year this house was last updated. Contact the landlord for further information.



Existing Solution



Undergraduate Education, Student Affairs, & Student Services
Off-Campus Housing Resources
Office of Residential Life and Learning

Apartment Listings: Current Listings

Apartment Listings

IMPORTANT: In Medford, the zoning ordinance allows for no more than 3 (three) unrelated individuals to live together in one unit. In S

Posted	City	Street	Rental/Sublet	Rent	Description
					My 17 year old daughter Ruby and I have a beautiful spacious furnished room in the Winter Hill an and you can walk to the red line and we are also a bus ride away from the orange line. We are not Union Squares, all are walkable. Perfect spot for Tufts students or visiting faculty, and near to lots The room is very pretty and comfortable. We have two friendly cats. All utilities, internet, etc. including Women only.
2/17/2016	Somerville		Rental	\$800/mo	Please email me if you are interested!
7/15/2016	Somerville	Washington St	Rental	\$3000/mo	A gem on the Cambridge-Somerville border. One of the only single-family homes in the area, this is bedrooms, each with a queen bed (one BR can serve easily as a home office or nursery), one bath an amazing gas fireplace for cozy winter nights, large dining room, ample kitchen, private fenced-is street parking spots. The house is fully equipped including dishwasher, nice range/oven, coffee wifi, etc. Please email for photos.
9/8/2016	Medford	Crowley St	Rental	\$4600/mo	One block from Tufts - Fully Furnished 3 bedroom, 2 1/2 bath, single family, home for rent. Availab 2017. The cost is \$4600, includes all utilities and Wireless Internet. Home has Central A/C, Gas Fi Stainless Appliances, Hardwood Floors throughout, Washer & Dryer, Spotless/Non-Smoking & Ful One of only 3 homes on a quiet private way with plenty of parking. First, last and security deposit r request.
					2 furnished bedrooms available in 4 bedroom apartment. Wireless high-speed internet access and clean, safe and quiet house. I emphasize the convenience of this location as far as easy access to highways, supermarkets, post office, banks etc Public transportation is as follows: Major transportation center is called Sullivan Station and is part system. Sullivan Square Station is approximately 10 minutes walking distance from the apartment straight line down Broadway in Somerville. Please visit www.mbta.com and use the pull down men Square Station Transportation Center and the Orange Line. Sullivan Square Station is also a majo transportation. For almost any location in Boston: You can get anywhere in Boston in less than 30 minutes from S

Difficult part of team's final project/solution

- Few APIs available
 - only found Zillow API
 - Redfin and Padmapper do not have APIs

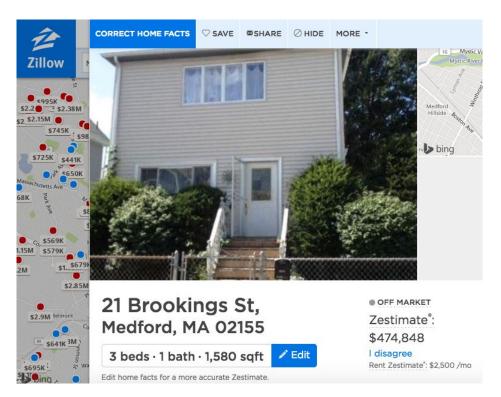
 Similar issues that team 4 (Yumbo) faced: relying on other applications' data (...Zillow)

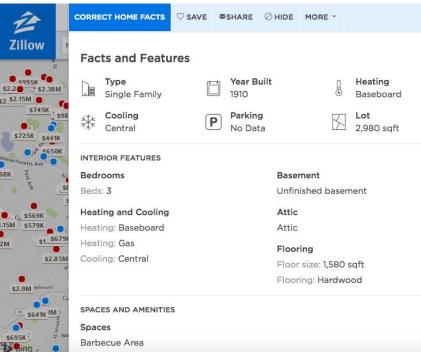
Issues with Zillow API

- It doesn't really work... (parsing XML is a nightmare)
- Errors when looking up an address not in Zillow's database
- Difficult to get data from old APIs that do not keep up their information.
- The data is in XML /it's all random strings so there's no way to know what data you're getting back. There's no documentation of what are acceptable return strings (ie parkingType could be "off-street" or any other string).
- Makes testing hard and finding bugs even harder
- Deriving meaning from strings when we don't know what to expect is hard

Difficult part of team's final project/solution

Access to Zillow's information - example: this property has all the info we want!





Difficult part of team's final project/solution

But when we attempt an API request to Zillow for this house.....:(

```
<?xml version="1.0" encoding="utf-8"?><UpdatedPropertyDetails:updatedPropertyDetail
s xmlns:UpdatedPropertyDetails="http://www.zillow.com/static/xsd/UpdatedPropertyDetails.xsd" xsi:schemaLocation="http://www.zillow.com/static/xsd/UpdatedPropertyDetails.xsd http://www.zillowstatic.com/vstatic/7d664a7/static/xsd/UpdatedPropertyDetails.xsd" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"><request><zpid>5628185
6</zpid></request><message><text>Error: protected data is unavailable through API</text><code>501</code></message></UpdatedPropertyDetails:updatedPropertyDetails><!--
H:016 T:199ms S:115 R:Sun Apr 16 15:47:28 PDT 2017 B:5.0.42234-master.8aaefb5~
hotfix_pre.d8ebd3d -->
```

Opportunities for Improvement

 Look into more opportunities for data scraping (example the spreadsheet res-life currently provides for off-campus housing)

Pooling more resources into our site (still on the hunt)

References

- https://www.quora.com/Why-hasnt-another-product-disrupted-and-replaced-C raigslist
- https://blog.kissmetrics.com/ugly-websites/
- http://ase.tufts.edu/och/rentalListings/