December 19, 2017

Final Project for SW Engineering Class
CSC 648-848 Section 02 Fall 2017

UNLOCK.COM

Team 01

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Joseph Wibowo
Paul Fontaine
Daniel Herrera
Gurchetan Johal
Steven Huynh

URL location: sfsuse.com/fa17g01

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1. Product Summary

The name of our product is unlock.com. Through unlock.com we aim to provide the simplest home buying experience available in the market today. Though our website does not have a unique feature to set us apart from the competition, we are sure that the simplicity of using our website will attract a large user base.

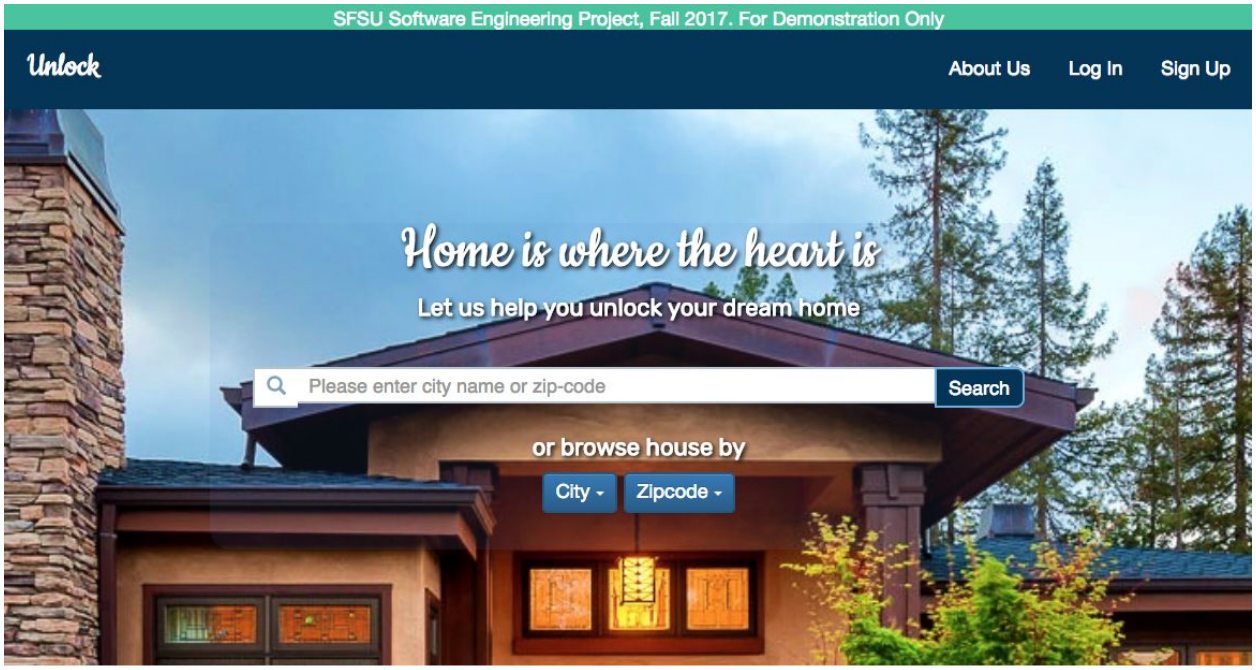
These are the basic features we have implemented for our users:

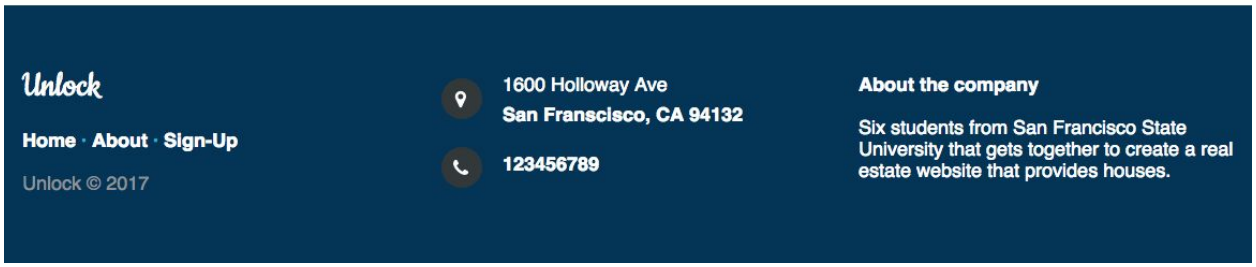
1. An unregistered buyer/seller will be able to view featured houses on the home page.
2. An unregistered buyer/seller will be able to search for a house based on city name or zip-code.
3. An unregistered buyer/seller will be able to view the number of results that are available after using the search option.
4. An unregistered buyer/seller will be able to view a property listing.
5. A listed property will have pictures of it on display for unregistered buyers/sellers to see.
6. A listed property's location will be shown on a map for unregistered buyers/sellers to see.
7. An unregistered buyer/seller will be able to sign-up for the website.
8. A registered buyer/seller will be able to do all the things described above.
9. A registered buyer/seller will be able to log-in to the website.
10. A registered buyer will be able to contact a real estate agent after viewing a property listing.
11. A registered seller will be provided a personalized dashboard.
12. A registered seller will be able to post new property listings.
13. The admin, using workbench, will be able to delete user accounts.
14. The admin, using workbench, will be able to delete property listings.

You may view unlock.com at the following link: sfsuse.com/fa17g01

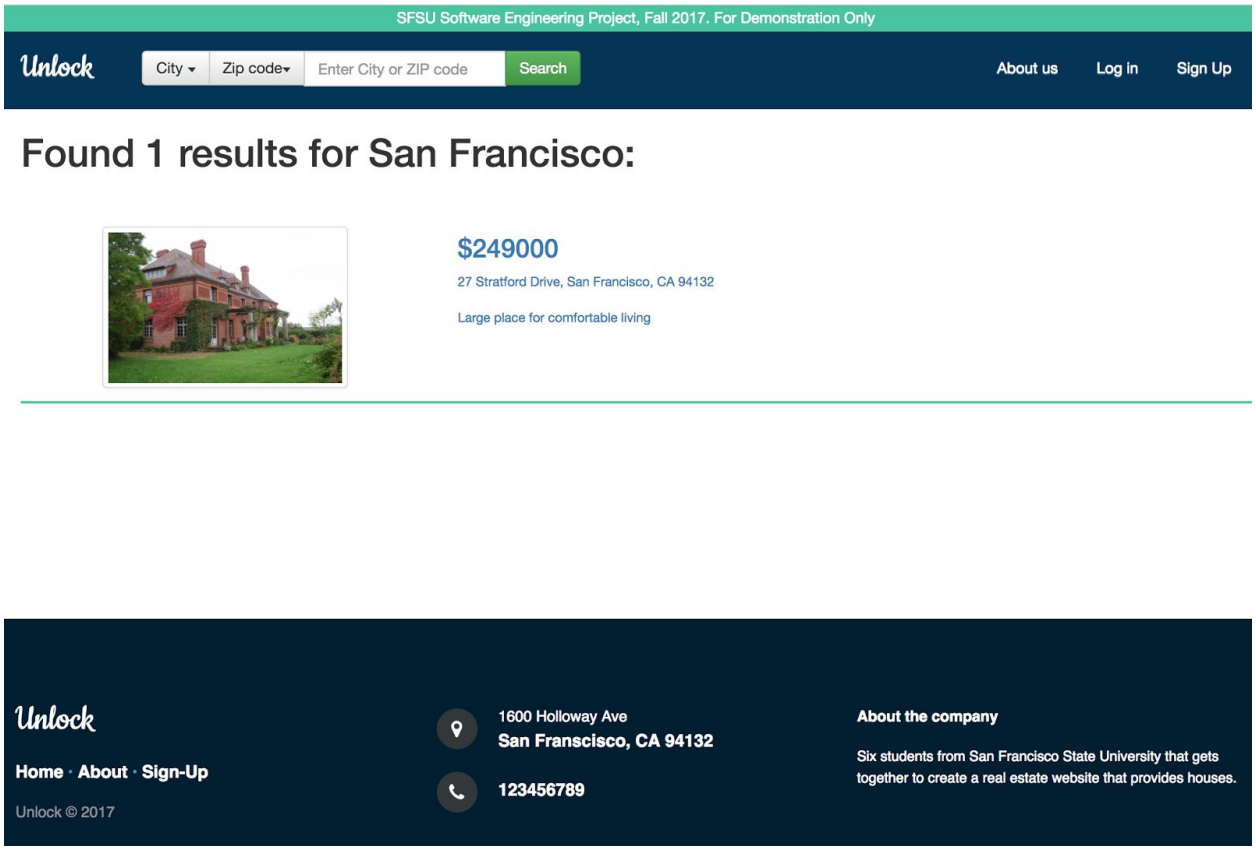
3. Screen Shots of actual final product as shown in the demo

3.1 Home Page (Unregistered User)

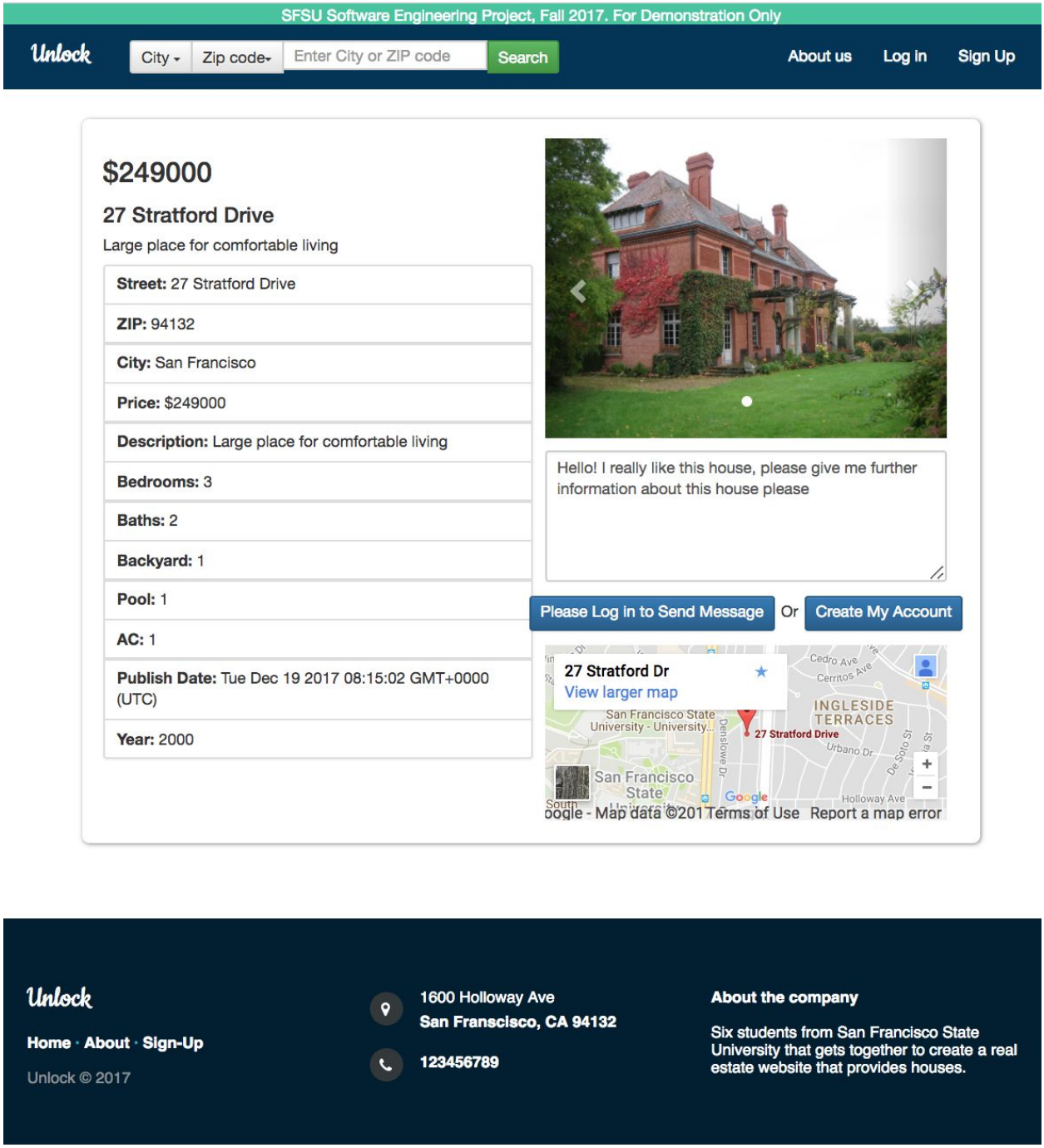




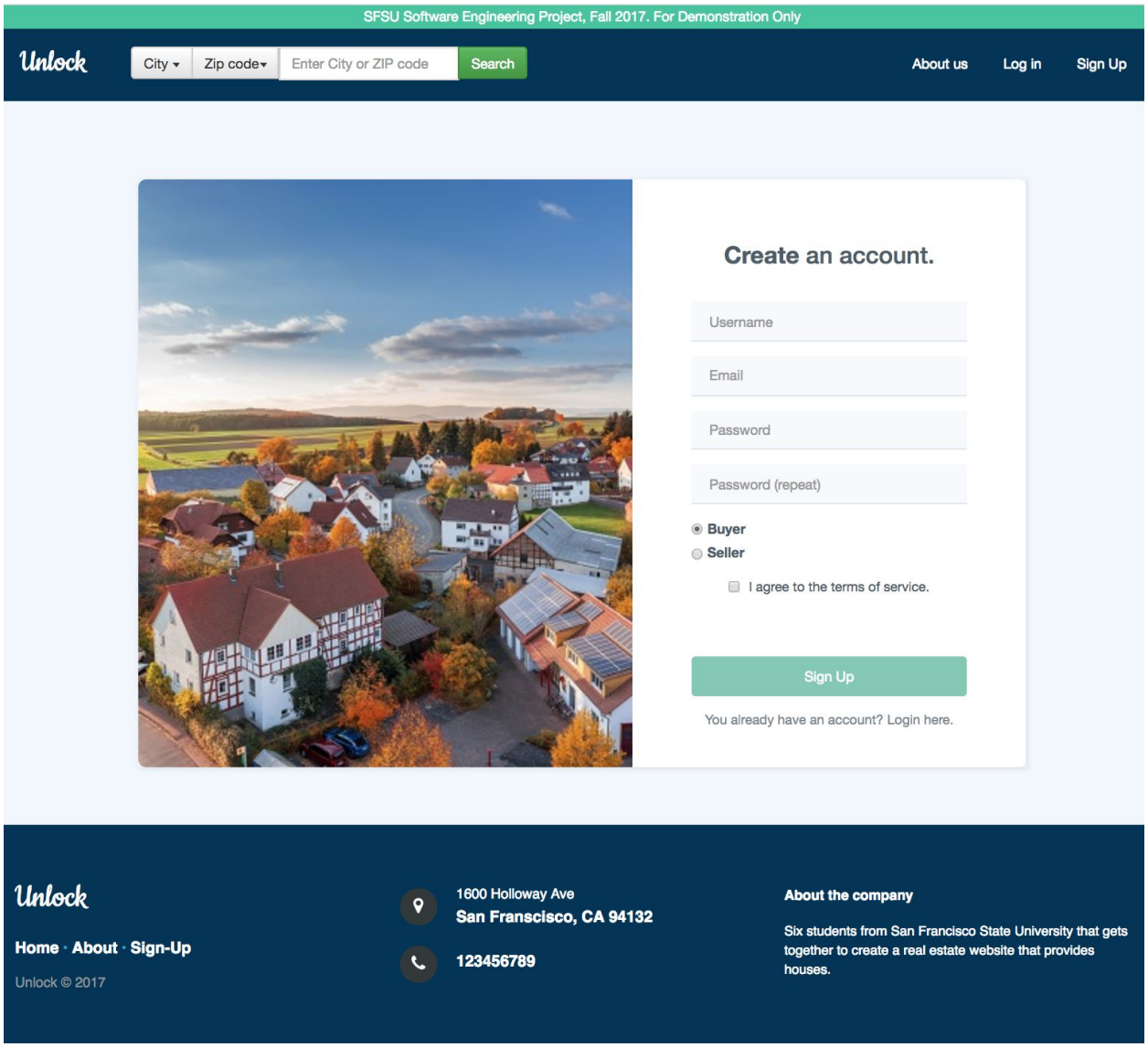
3.2 Search Results Page (Unregistered User)



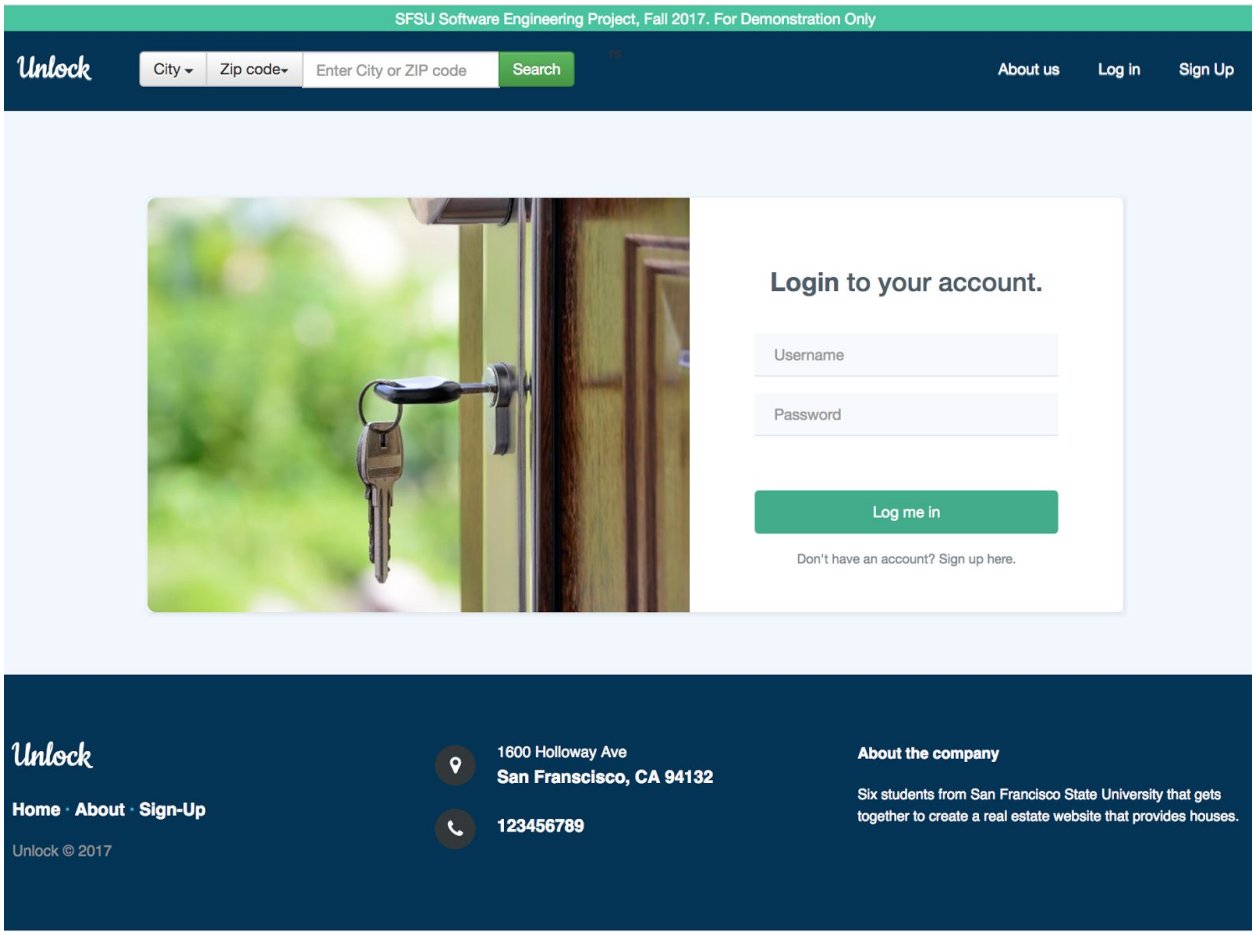
3.3 Property Listing Page (Unregistered User)



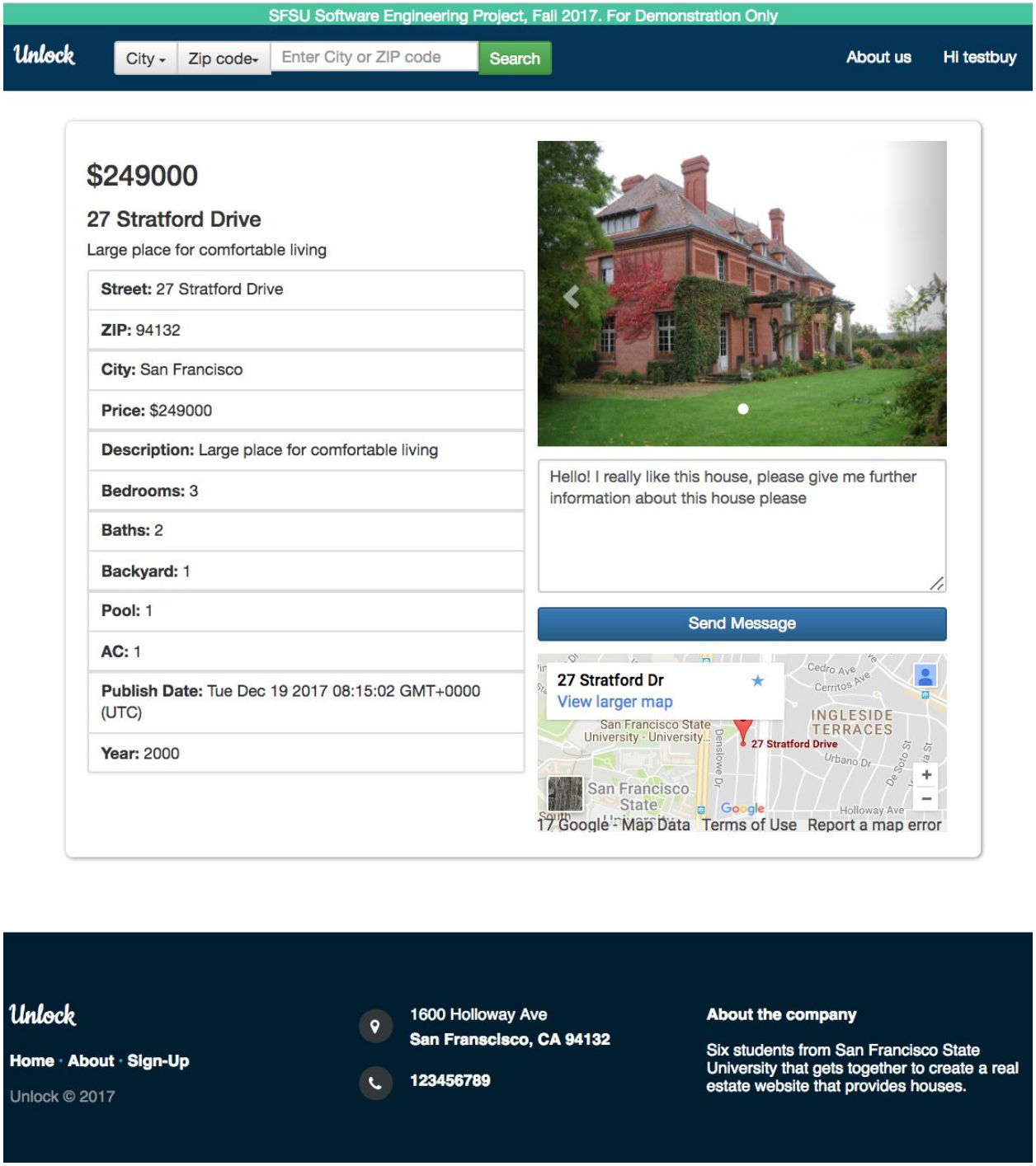
3.4 Sign Up Page (Unregistered User)



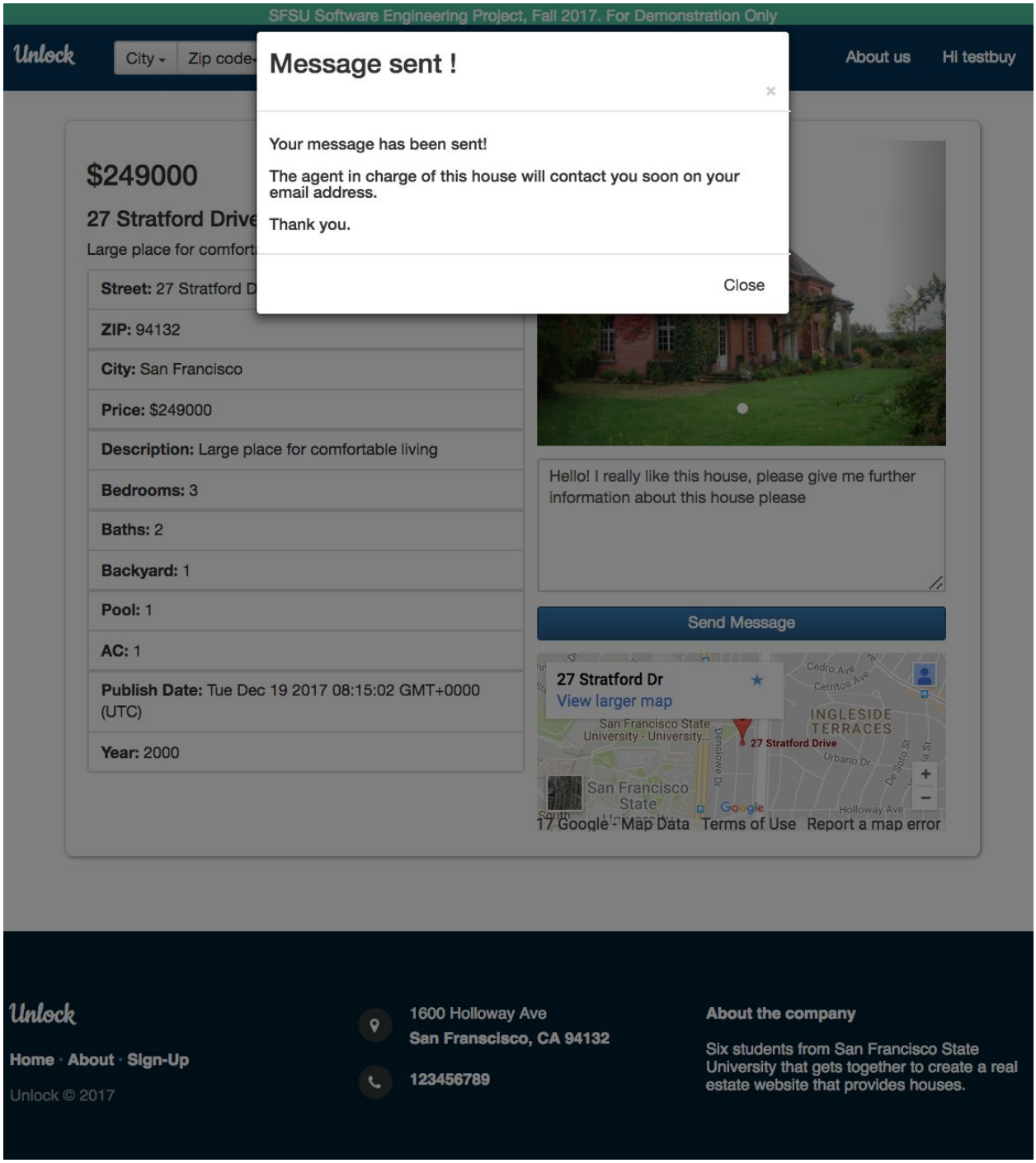
3.5 Log In Page (Registered Buyer/Seller)



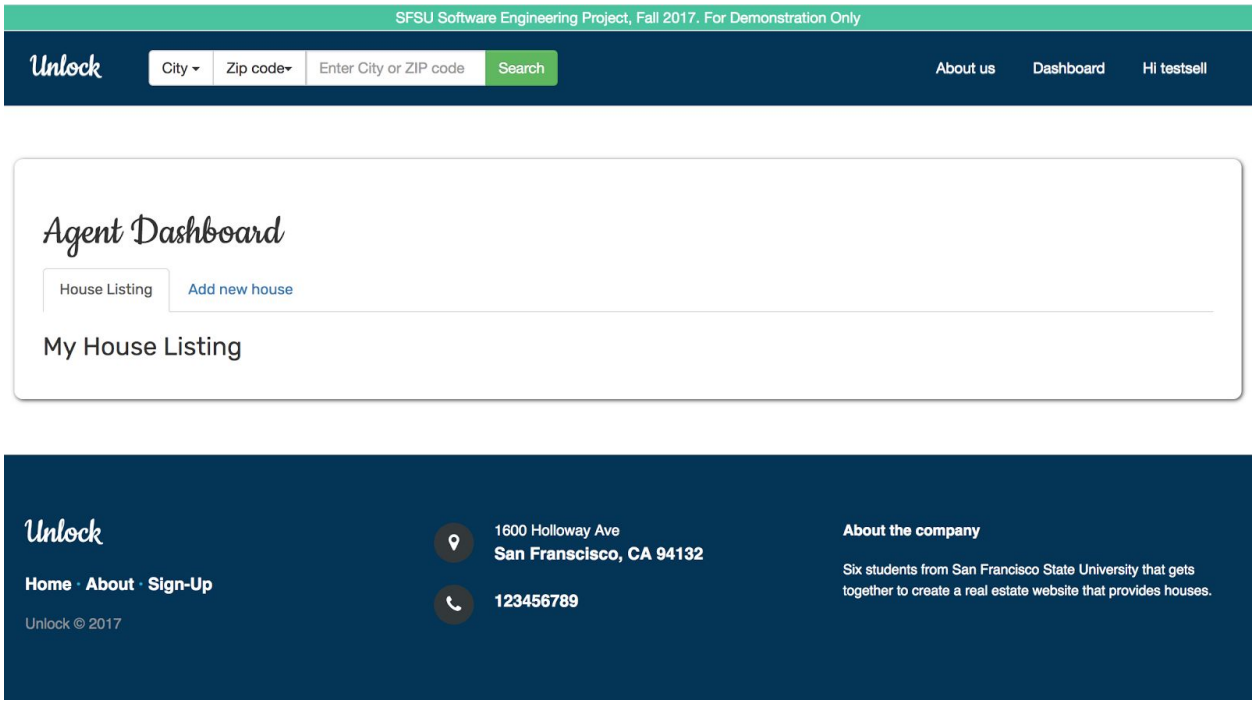
3.6 Property Listing Page (Registered Buyer)



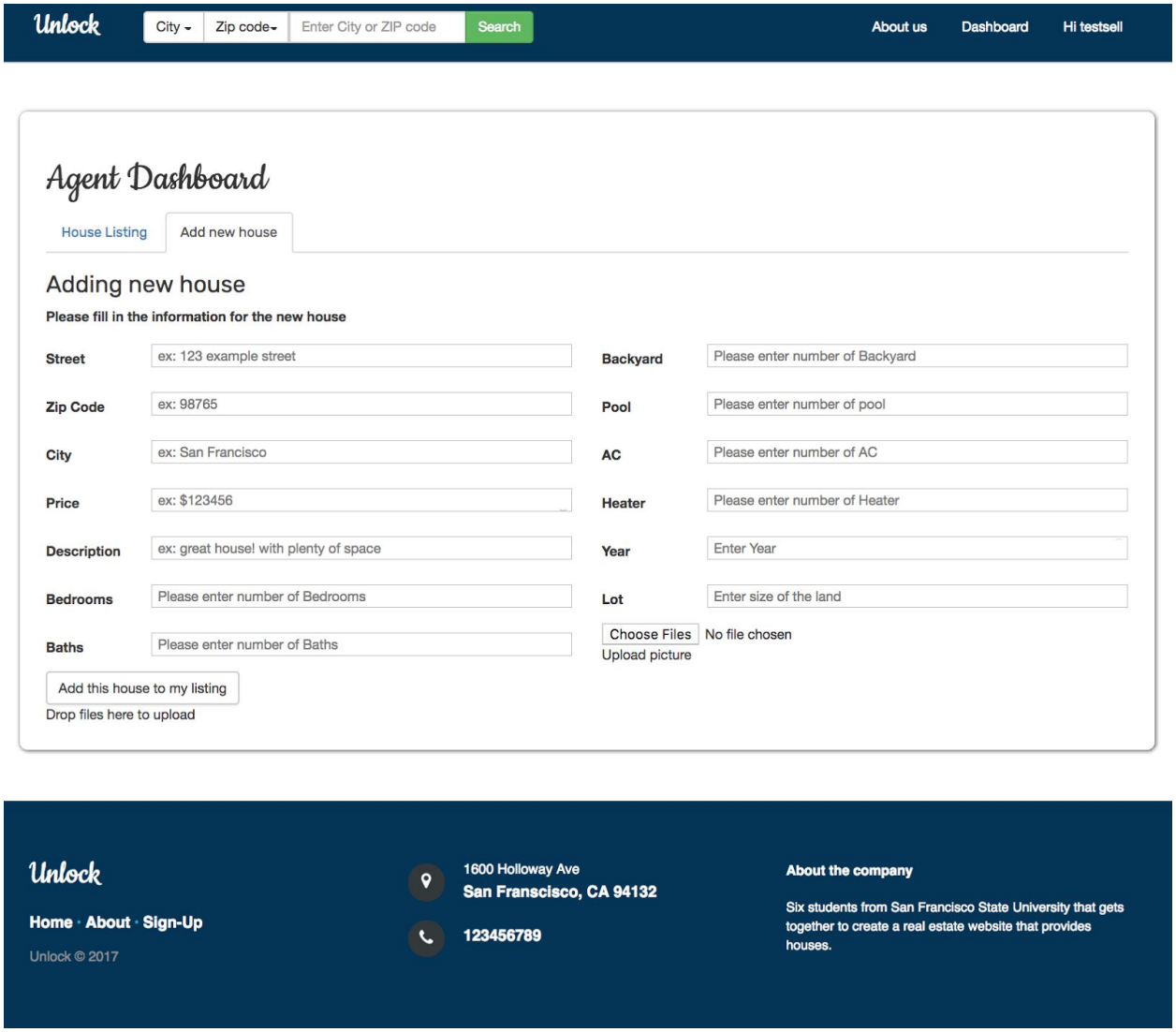
3.7 Message Sent Pop Up Page (Registered Buyer)



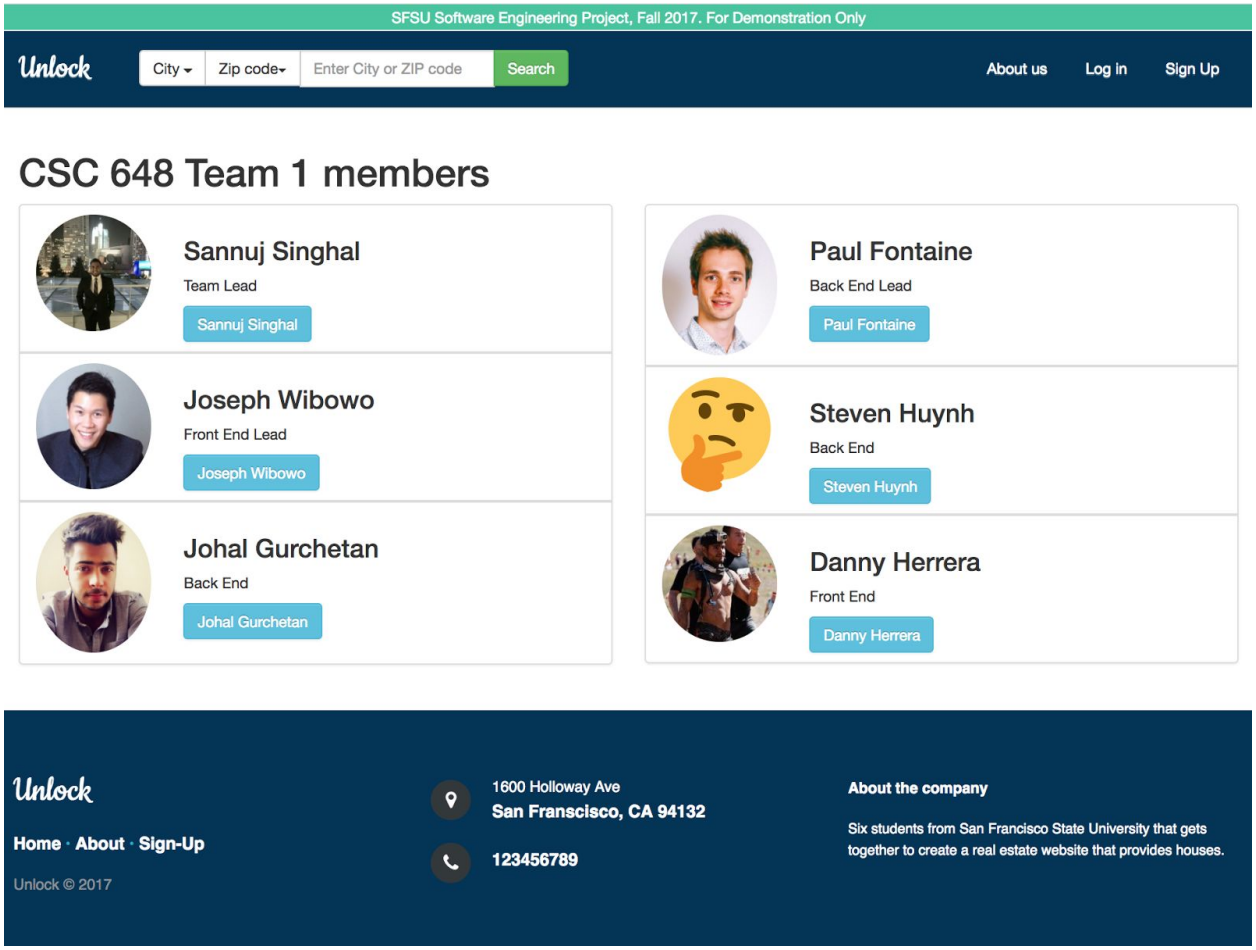
3.8 Agent Dashboard/View Posted Listings Page (Registered Seller)



3.9 Add New House Page (Registered Seller)

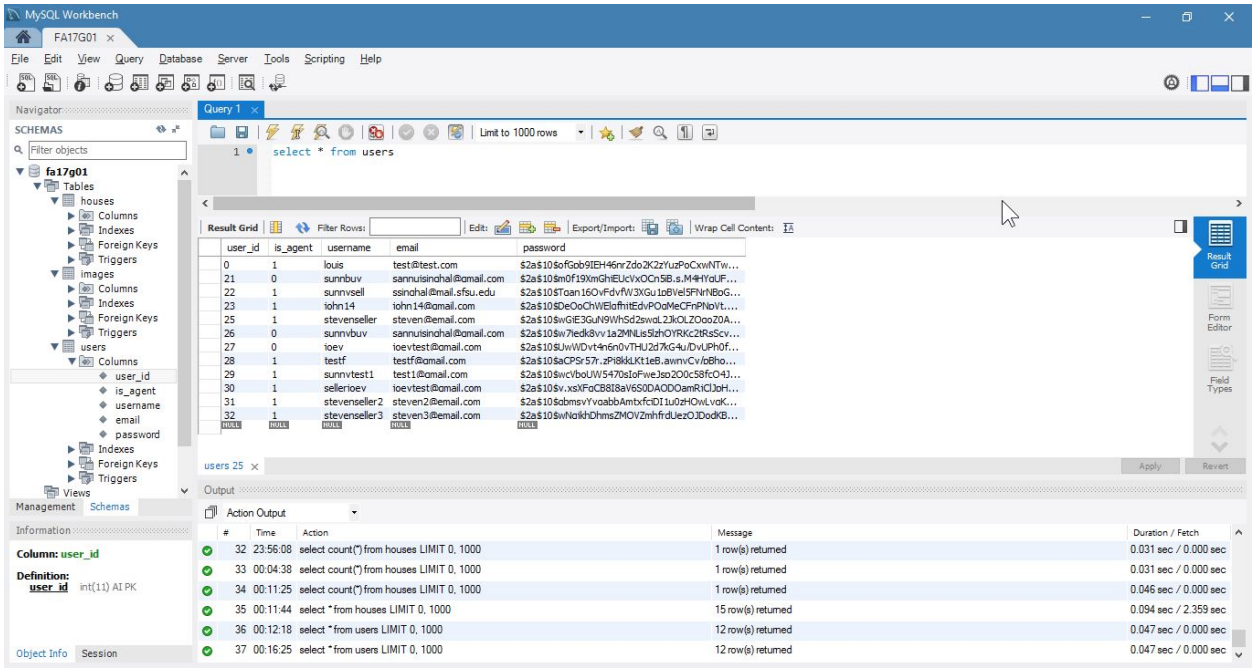


3.10 About Us Page (Unregistered User)

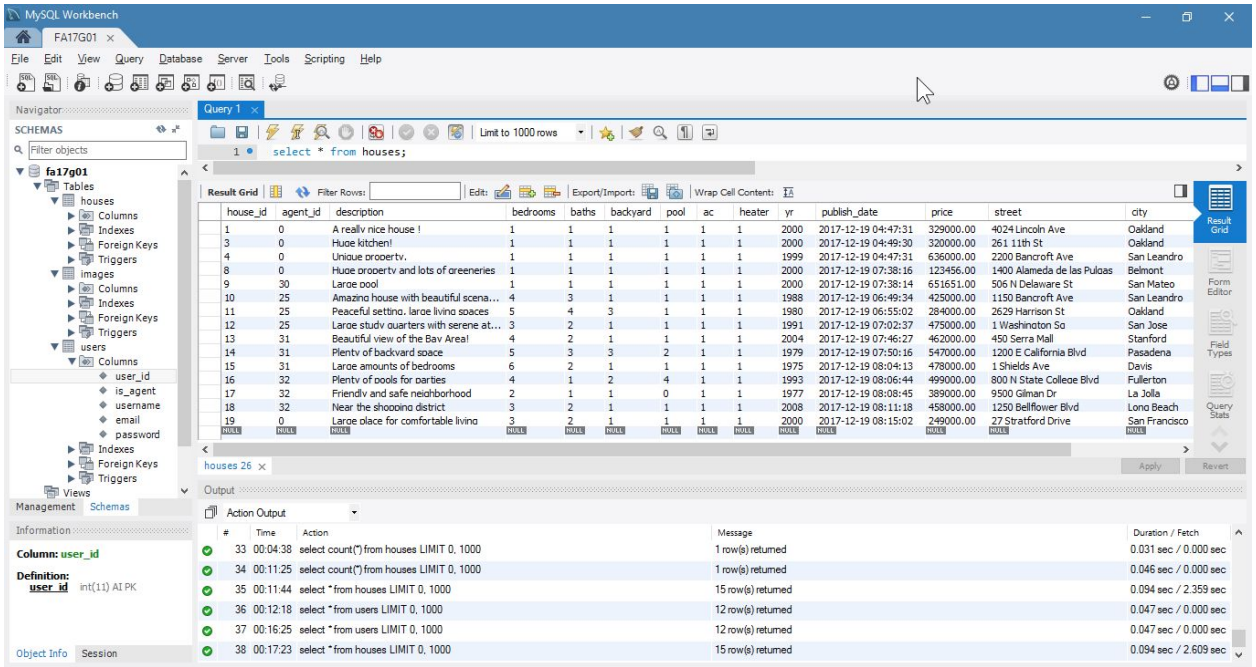


4. Workbench screen shots of your actual DB

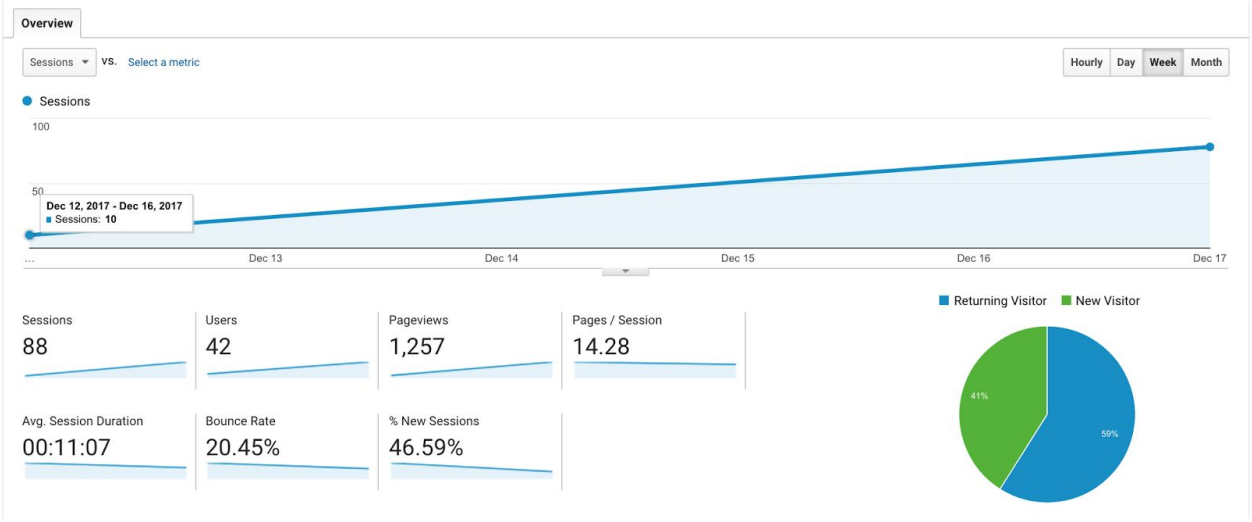
4.1 User Model Database



4.2 Property Model Database



5. Google analytics plot for your WWW site



6. Team member contributions

Sannuj Singhal (Team Lead)

Contribution to team

Sannuj Singhal

Tue 12/19/2017 1:58 PM

To: Joseph Wibowo <joeynathanwibowo@gmail.com>; Gurchetan Singh Johal; Paul Louis Pierre Fontaine; Steven Huynh; extra414@yahoo.com

Reply all

Contribution as Team Lead

1) Worked on integrating, completing, and submitting all milestone documents as well as final folder

2) Delegated tasks to team in order to ensure that they were completed

3) Communicated with Professor Petkovic on issues we were dealing with, and got valuable feedback on a timely manner

4) Helped Joey create sign-up page, that was integrated into the web page

5) Ran extensive QA on website to ensure site ran properly

6) Made sure that delivery of final product was made on time

Have a great winter break everyone!

Best Regards,

Sannuj Singhal

Amount of commits to Github: 15

Joey Wibowo (Front-End Lead)

CSC 648 team 01 Milestone 5 - Joey/ Joseph contribution

JW

Joseph Wibowo <joeynathanwibowo@gmail.com>
Sun 12/17/2017 9:31 PM
To: Sannuj Singhal
Cc: Paul Louis Pierre Fontaine; extra414@yahoo.com; Gurchetan Singh Johal; Steven Huynh

Joseph Wibowo Front End Lead contribution

1. Setting the server using node + express.js, setting up framework for the about pages.

2. Designed the UI mock ups of the entire website for the horizontal prototype.

3. Code and designed, the webpages.
   - Home page
   - house details page (Sannuj inspired)
   - Login page
   - registration page
   - about page
   - search results page
   - agent dashboard page

4. made changes according to Prof. Petkovic review,such as ,
   - shrink the hero page,
   - change disclaimer color,
   - change pictures of the login and registration
   - took out inbox messages.

5. worked with Sannuj to change the tweaks on some pages

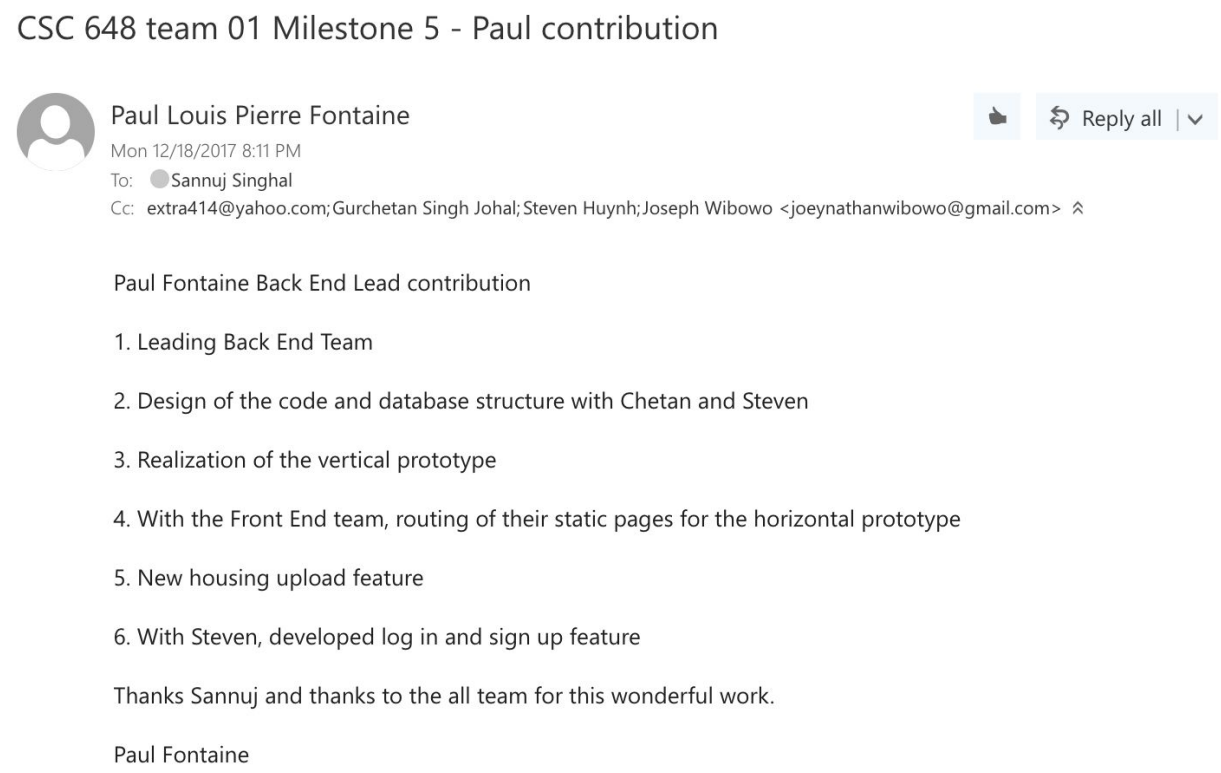
6. worked with paul in connecting
   - the search bar to the back end,
   - the results page,
   - 2 tabs of dashboard,

Thanks Sannuj

Joseph

Amount of commits to Github: 86

Paul Fontaine (Back-End Lead)



CSC 648 team 01 Milestone 5 - Paul contribution

Paul Louis Pierre Fontaine

Reply all

Mon 12/18/2017 8:11 PM

To: Sannuj Singhal

Cc: extra414@yahoo.com; Gurchetan Singh Johal; Steven Huynh; Joseph Wibowo <joeynathanwibowo@gmail.com>

Paul Fontaine Back End Lead contribution

1. Leading Back End Team

2. Design of the code and database structure with Chetan and Steven

3. Realization of the vertical prototype

4. With the Front End team, routing of their static pages for the horizontal prototype

5. New housing upload feature

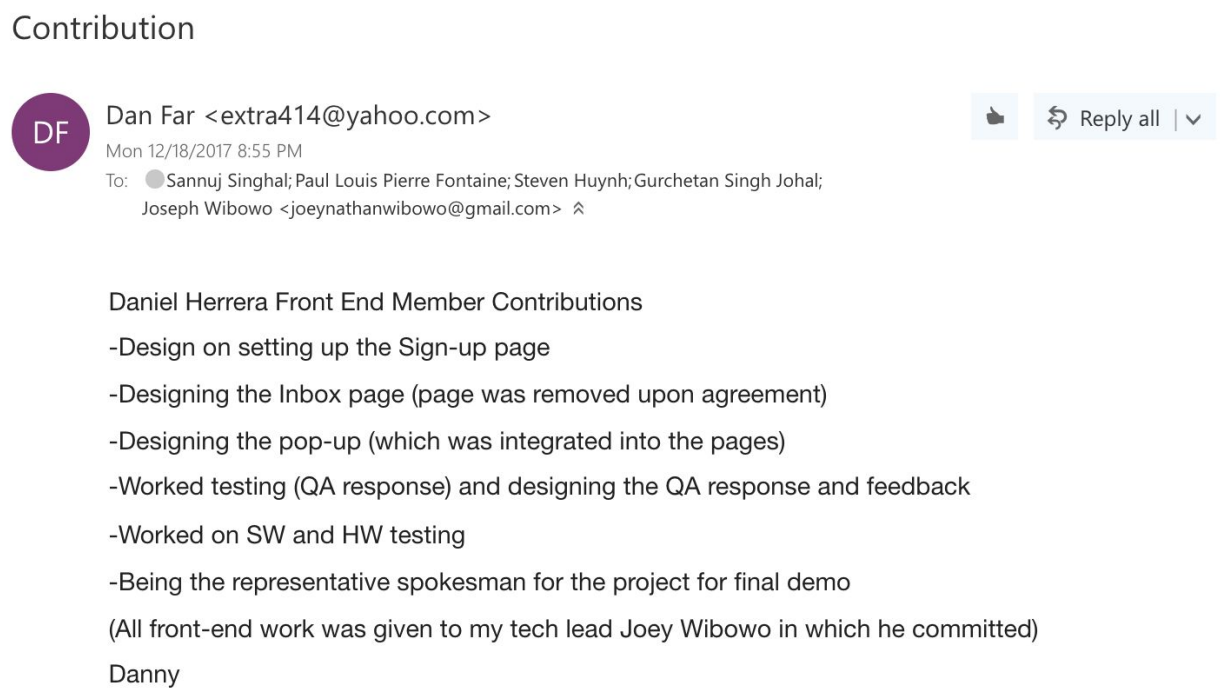
6. With Steven, developed log in and sign up feature

Thanks Sannuj and thanks to the all team for this wonderful work.

Paul Fontaine

Amount of commits to Github: 113

Danny Herrera (Front-End Team Member)



Contribution

DF

Dan Far <extra414@yahoo.com>

Mon 12/18/2017 8:55 PM

To: Sannuj Singhal; Paul Louis Pierre Fontaine; Steven Huynh; Gurchetan Singh Johal; Joseph Wibowo <joeynathanwibowo@gmail.com>

Reply all

Daniel Herrera Front End Member Contributions

-Design on setting up the Sign-up page

-Designing the Inbox page (page was removed upon agreement)

-Designing the pop-up (which was integrated into the pages)

-Worked testing (QA response) and designing the QA response and feedback

-Worked on SW and HW testing

-Being the representative spokesman for the project for final demo

(All front-end work was given to my tech lead Joey Wibowo in which he committed)

Danny

Amount of commits to Github: 2

Gurchetan Johal (Back-End Team Member)

Backend Team Member(Chetan Johal) Contribution

Gurchetan Singh Johal

Reply all

Mon 12/18/2017 9:44 PM

To: Sannuj Singhal; Paul Louis Pierre Fontaine; Joseph Nathan Wibowo; Steven Huynh; extra414@yahoo.com

Chetan Johal Back End Team Member contribution

1. Defining the Data Definitions for the database elements

2. Designed the architecture of Database Organization and deployment diagrams with Paul and Steven

3. Hacking of the search functionality code with Paul for the vertical prototype

4. Checked for coding style and bugs in the search functionality feature which we used for QA and usability test

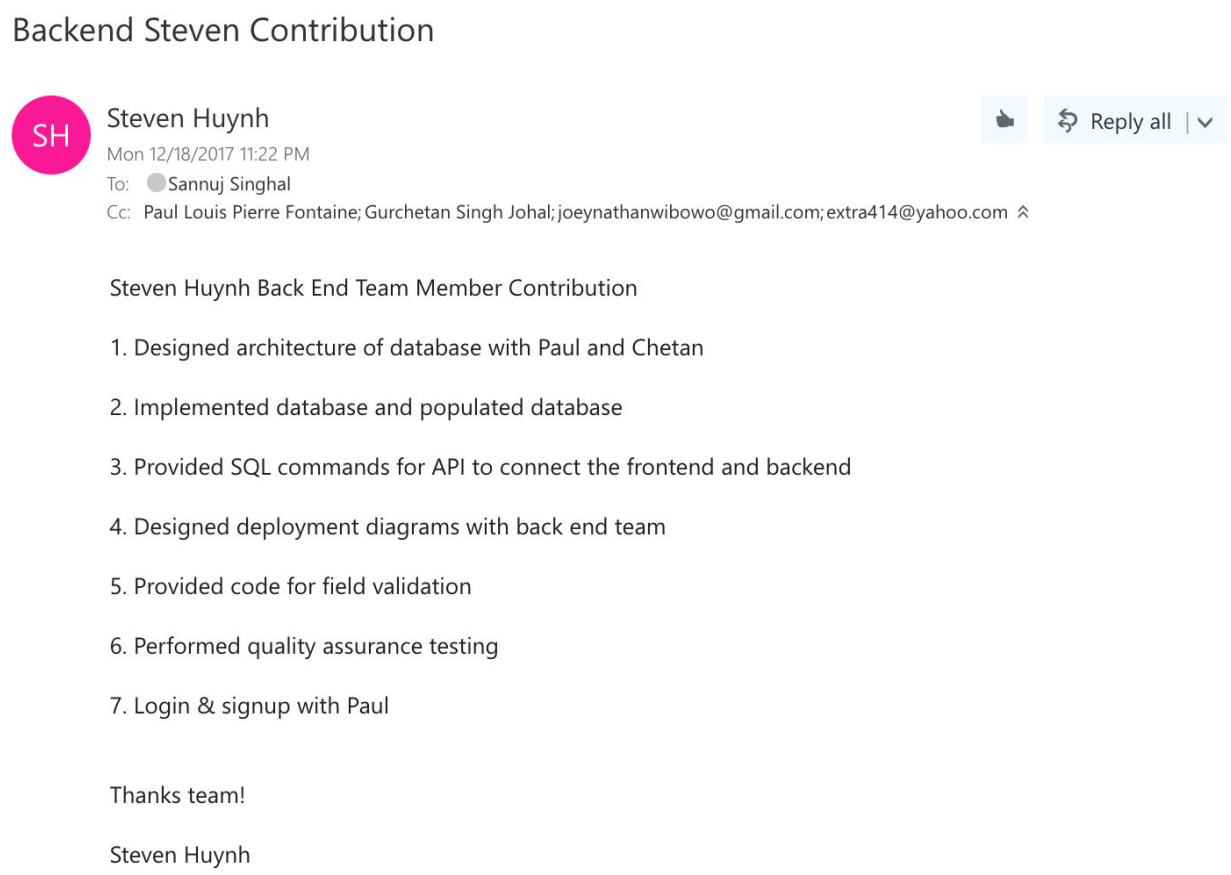
5. Performed Code review for frontend and backend team

Thank you everyone! It was really great working with you all.

Chetan Johal

Amount of commits to Github: 3

Steven Huynh (Back-End Team Member)



Backend Steven Contribution

SH

Steven Huynh

Mon 12/18/2017 11:22 PM

To: Sannuj Singhal

Cc: Paul Louis Pierre Fontaine; Gurchetan Singh Johal; joeynathanwibowo@gmail.com; extra414@yahoo.com

Reply all

Steven Huynh Back End Team Member Contribution

1. Designed architecture of database with Paul and Chetan
2. Implemented database and populated database
3. Provided SQL commands for API to connect the frontend and backend
4. Designed deployment diagrams with back end team
5. Provided code for field validation
6. Performed quality assurance testing
7. Login & signup with Paul

Thanks team!

Steven Huynh

Amount of commits to Github: 2

7. Post Analysis

In building our website, unlock.com, our overall experience was a pleasant one. This can be attributed to the expertise of Joey and Paul, our front-end and back-end leads, who were able to handle any major issues while helping the rest of the team fix their issues as well. But with any major endeavor, we had our fair share of challenges. Some of the major issues we faced while building our website were the following:

1) Issues with routing
2) Visual alignment of the site
3) Difference between running the site on our localhost and the server

First, let us discuss issues with routing. Because of the sheer amount of pages that we created and used in our website, we had trouble connecting all of the pages to each other. Running QA to find errors in our website, we were able to see where the pages were disconnected and connect them.

Another issue we faced was the visual alignment of the site. This was an unexpected and very frustrating issue, as sometimes when we changed the layout of a page, a totally different type of page was displayed on our website.

Finally, we had a lot of problems testing our code. This was due to the fact that we had to route our site differently whenever we wanted to test the code and we did not want to just integrate untested code onto our server. On top of that, it was not just one file that we had to change the routing information on, but multiple files. Through this process, we learned the importance of patience and being efficient.

Besides these major issues, our development of the website went fairly smoothly. It was a learning experience for all those involved, and it is something that we will definitely use in the future in our careers.

Receipt Proof

Post Analysis

Hey guys,

Here is the post analysis I wrote for the group.

In building our website, unlock.com, our overall experience was a pleasant one. This can be attributed to the expertise of Joey and Paul, our front-end and back-end leads, who were able to handle any major issues while helping the rest of the team fix their issues as well. But with any major endeavor, we had our fair share of challenges. Some of the major issues we faced while building our website were the following:

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Besides these major issues, our development of the website went fairly smoothly. It was a learning experience for all those involved, and it is something that we will definitely use in the future in our careers.

Best Regards,

Sannuj Singhal