

Final Project for SW Engineering Class

CSC 648-848 Section 01 Fall 2016

Demo URL: http://sfsuswe.com/~f16g01/DavidsList/

Team 1

Nora Schinkel, Team Lead | ncschinkel@gmail.com
David Chau, Technical Lead
Paul Derugin
Imran Irfan
Yansen Liu
Steven Nguyen

Submitted to—

Dr. Dragutin Petkovic Department of Computer Science, San Francisco State University

Date of Submission: 2016 December 19



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Product Summary

In this report we present **DavidsList**, an apartment rental web service for students. With property taxes increasing every year, many Bay Area homeowners would like to rent out their homes and apartments (or simply a bedroom) to students. However, it is difficult for homeowners to make sure the students they meet on rental websites are actual students. This is where DavidsList comes in. We provide a service where students can be verified by their university email address, thus creating a safe and trustworthy marketplace for landlords and students.

DavidsList provides the following features:

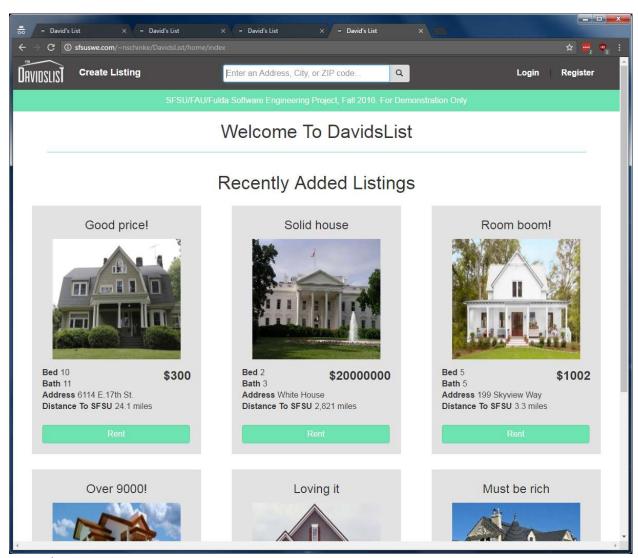
- Guest users can browse the website, but cannot post listings or message landlords.
- Everybody can create an account on DavidsList and everybody can read the Terms and Conditions and the Privacy Policy.
- Everybody is able to use search for listings. Search results may be filtered based on number of bedrooms, price, and distance to campus.
- Registered users can log in with their account info. Once logged in, they can create, edit, and delete listings. In creating a listing at least one picture of the listing must be uploaded, accompanied by a title, price, and address. Landlords are given the option to show only an approximate address on the website; this means that only the ZIP code of the listing will be shown to other users.
- Registered users seeking an apartment can communicate with the landlord of a listing by clicking on the "Contact" button on the Listing Detail page of a listing.
 Registered users can view and reply to messages through the All Messages page under My Account.
- Administrators can remove users and listings via Workbench.

DavidsList is now live and can be found via the following URL:

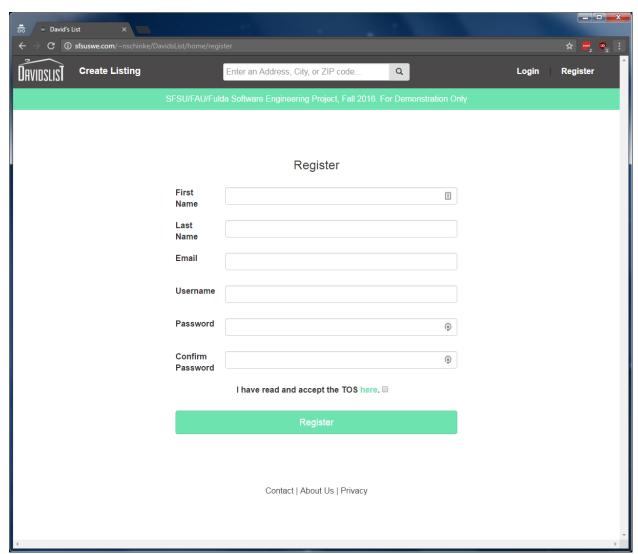
http://sfsuswe.com/~f16g01/DavidsList/

Milestone Documents

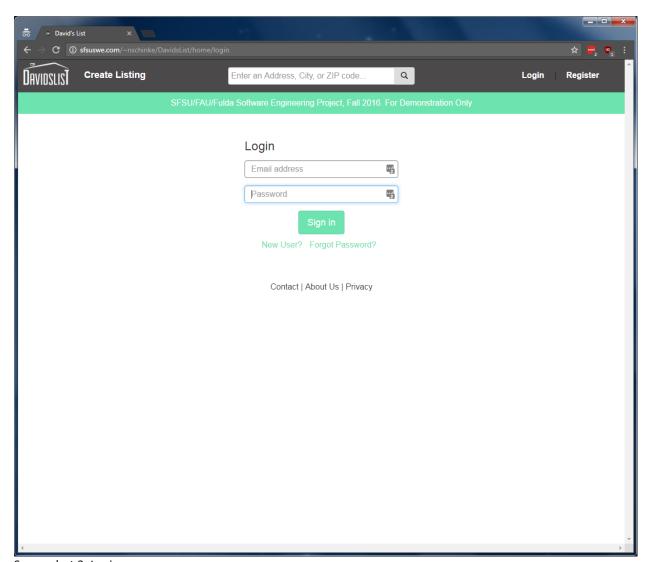
Product Screenshots



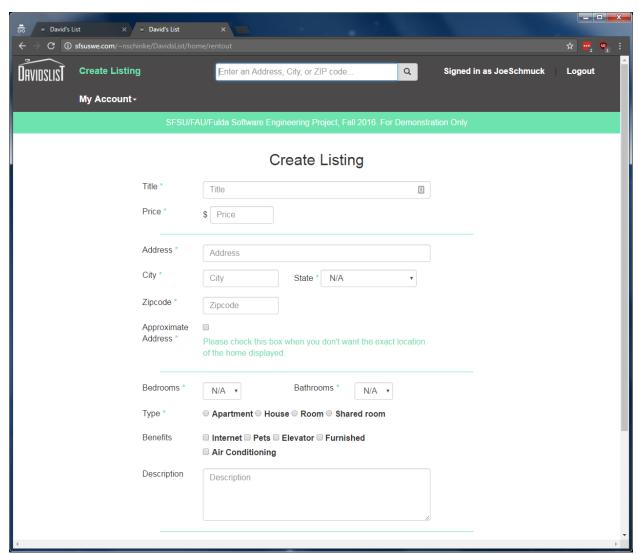
Screenshot 1. Homepage



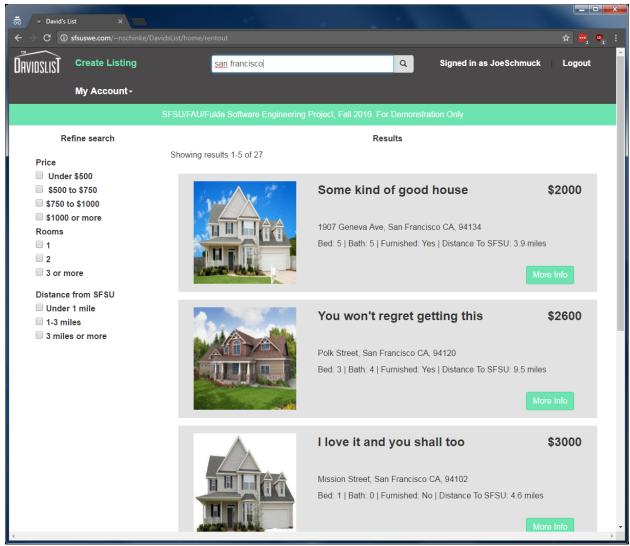
Screenshot 2. Registration page



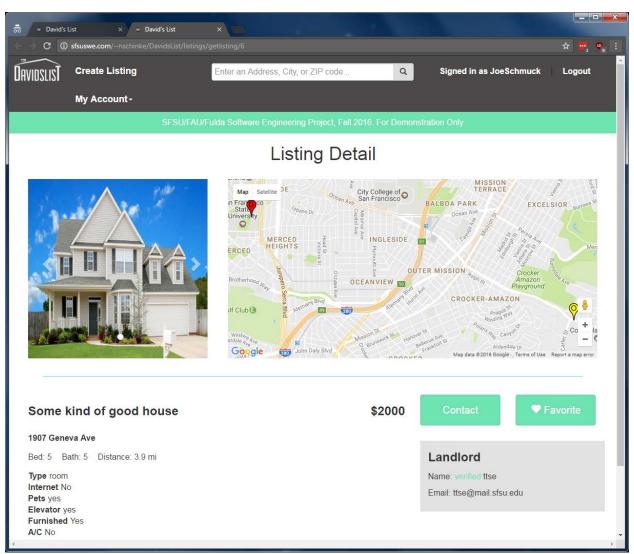
Screenshot 3. Login page



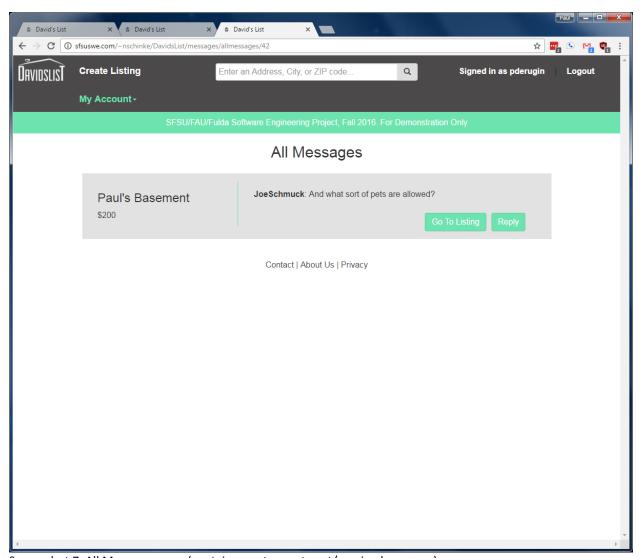
Screenshot 4. Create Listing page



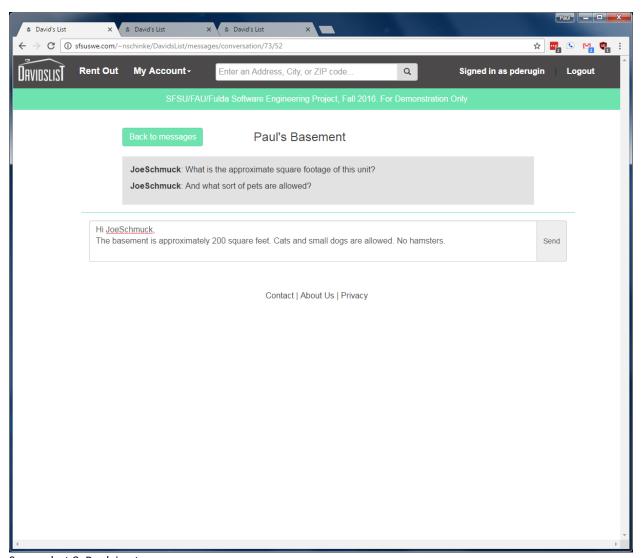
Screenshot 5. Results page for search query "San Francisco"



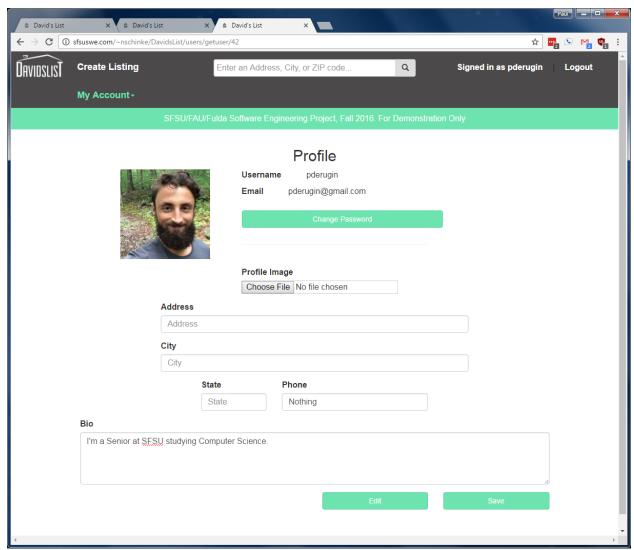
Screenshot 6. Listing Detail page



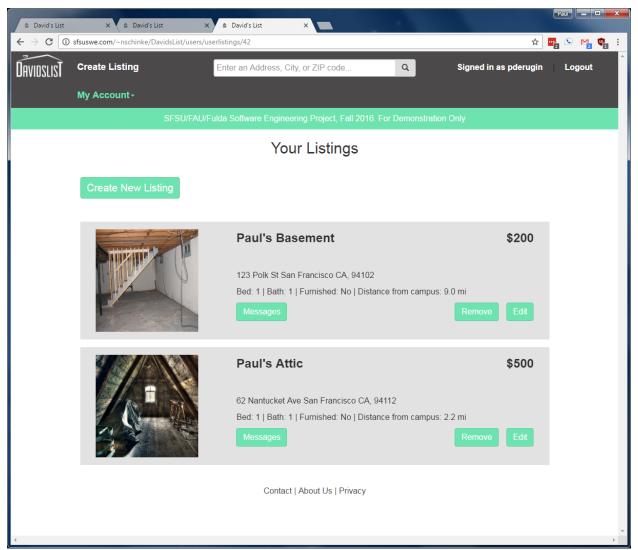
Screenshot 7. All Messages page (contains most recent sent/received message)



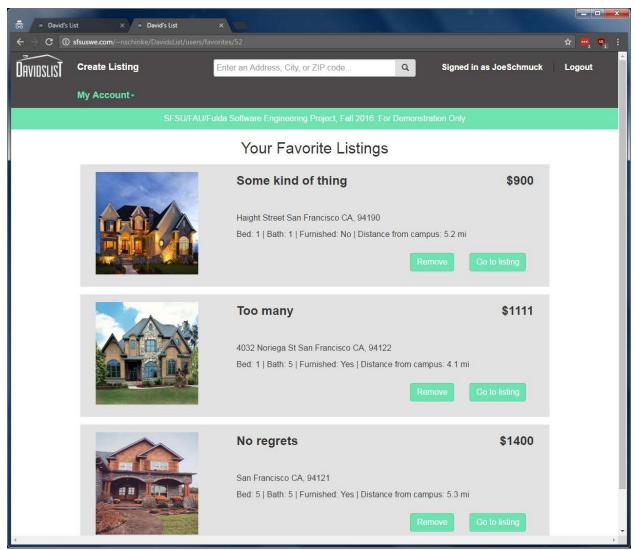
Screenshot 8. Replying to a message



Screenshot 9. My Account – Profile page



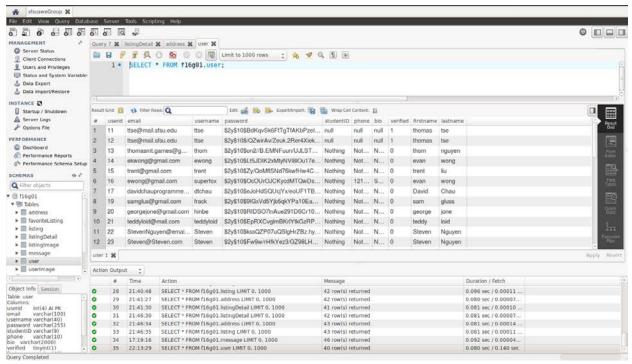
Screenshot 10. My Account – Listings page



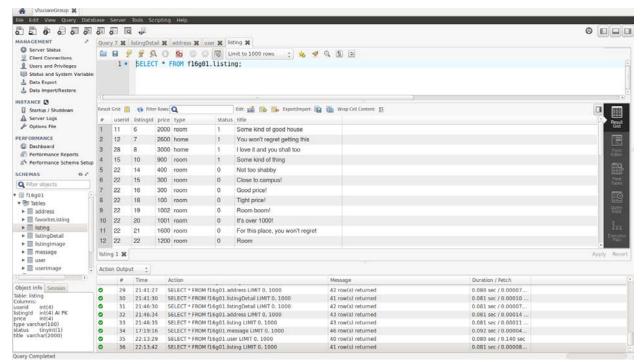
Screenshot 11. My Account – Favorite Listings page

Screenshots of Database

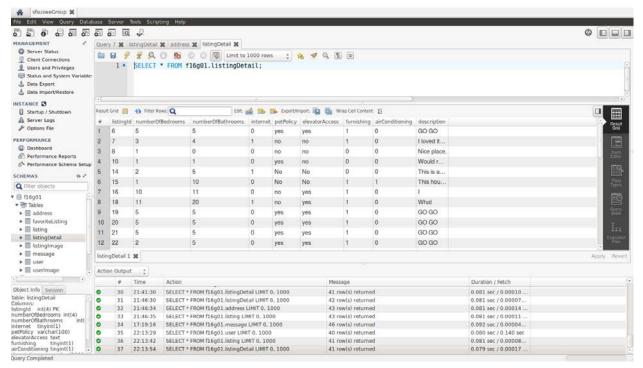
This section contains screenshots of our database as seen from MySQL Workbench.



Screenshot 1. The user table. Note that the passwords are encrypted.

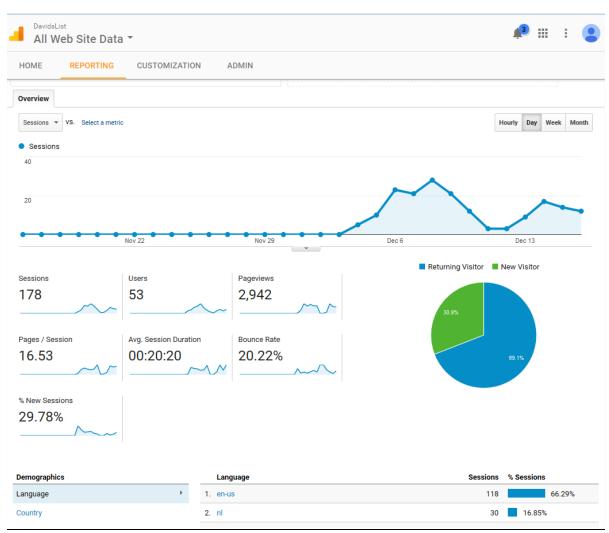


Screenshot 2. The listing table.



Screenshot 3. The listingDetail table.

Google Analytics



Screenshot of Google Analytics Audience Overview of DavidsList

Team Member Contributions

Below are emails sent by each team member to all other team members on the subject of individual contributions to the project.

From: Nora Schinkel

Sent: Saturday, December 17, 2016 12:59 AM

To: Nora Schinkel

CC: Yansen Liu, Steven Nguyen, David Tran Chau, Imran Bin Irfan, Paul Derugin

Subject: CSC648 - Team Contributions

Hi guys,

My contributions to the project:

- a) Contributions
 - Team Lead
 - Front end developer
 - · Built search and filter functionality
 - · Final design of pages and UI
 - · Fixed bugs in front end
- b) Commits 100+

Good night!

From: David Tran Chau

Sent: Friday, December 16, 2016 7:05 PM

To: Nora Schinkel

CC: Yansen Liu, Steven Nguyen, Imran Bin Irfan, Paul Derugin

Subject: CSC648 – Team Contributions

- a) Contributions
 - Tech Lead/CTO
 - Designed the architecture of the back-end
 - Helped team members with learning git and other tools
 - Helped team members solve problems they could not do on their own
 - · Assigned team members to work on parts of the back-end
 - Fixed bugs related to the website, back-end or otherwise
- b) Number of submissions on gitlab: 100+ commits

From: Paul Derugin

Sent: Monday, December 17, 2016 11:12 AM

To: Nora Schinkel

CC: Yansen Liu, Steven Nguyen, David Tran Chau, Imran Bin Irfan

Subject: CSC648 - Team Contributions

a) Contributions

- Back-end developer
- Created part of the back-end that handles Users, under the direction and advisement of Tech Lead
- Set up Google Analytics
- Proofread and revised documentation and prepared PDFs for submissions
- b) Number of submissions to gitlab: 10

From: Imran Bin Irfan

Sent: Friday, December 16, 2016 9:45 PM

To: Nora Schinkel

CC: Yansen Liu, Steven Nguyen, David Tran Chau, Paul Derugin

Subject: CSC648 - Team Contributions

a) Contributions

- Back-end developer
- Created part of the back-end that handles "Listings" under the direction and advisement of the Tech Lead/CTO.
- Some QA on small details
- Helped with organization of Documentation.
- b) Number of submissions on gitlab: 20+

From: Yansen Liu

Sent: Friday, December 16, 2016 9:55 PM

To: Nora Schinkel

CC: Steven Nguyen, David Tran Chau, Imran Bin Irfan, Paul Derugin

Subject: CSC648 - Team Contributions

a) Contributions

- Front-end developer
- UI design draft and mockup draft
- Initial layout of rent out page, userProfile page, and My listing page
- Create google map API function for counting distance
- Fixed UI bugs
- b) Number of submissions on gitlab: 10+

From: Steven Nguyen

Sent: Friday, December 16, 2016 7:05 PM

To: Nora Schinkel

CC: Yansen Liu, David Tran Chau, Imran Bin Irfan, Paul Derugin

Subject: CSC648 - Team Contributions

a) Contributions

- Initial layout of home, search results, listing, login, register, favorite, messaging pages.
- Displaying search results, user listing results, user favorites on front-end.
- Created layout and populated fields in chat messaging pages.
- Fixed various UI bugs.
- QA
- b) Number of submissions on gitlab: 80+.