

EE / CprE / SE 492 – sdddec23-11

HOME FINDER

Report 1

Client: Dr. Bigelow

Faculty Advisor: Dr. Bigelow

Team Members:

Christian Boughton – Team Member

Daniel Chrisman – Team Member

Ella Knott – Team Member

Lith Almadani – Team Member

Michael Wieland – Team Member

Past Week Accomplishments

- Finished working on the frontend-only version
- Finalized getting the APIs
 - Radar address translation
 - Radar distance matrix
 - Google Maps heat map overlay
 - Google Maps map
 - Zillow Research Group listings
- Deciding the frameworks we want to use
 - React front end
 - SQL database
 - Node.js and Express.js backend
- Completed proof of concept design

Pending Issues

- Making sure everyone can work in the same framework on their personal computers.
- Learning the full capabilities of the API from Zillow
- Learning how to access the APIs
- Converting our previous frontend files to React.
- Database integration and communication.

Individual Contributions

<u>Name</u>	<u>Contributions</u>	<u>Hours this week</u>	<u>Hours cumulative(Semester 2)</u>
Christian Boughton	Obtained permission to use research data from Zillow Research Group for currently available homes. Fixed front-end functions for navigation.	4	4
Daniel Chrisman	Research on what frontend and backend frameworks correspond well with each other. Decided that React and Express.js would be the best frameworks to use.	4	4
Ella Knott	Researched security tools best suited to test our front and back end. Also looked into security features we may choose to implement, such as SHA-type data encryption and multi-factor authentication for the final product.	3	3
Lith Almadani	I conducted research on various backend frameworks in general, with a specific focus on Node.js and Express.js. I have compiled a list of tasks to kickstart the backend development process.	3	3
Michael Wieland	Started work on porting the prototype we have currently into the react.js framework/ starting a new react project and doing the installs for that.	4	4

Plans for the Upcoming Week

- Set up a database for account creation and users' ability to save generated heat maps
- Converting the current frontend to a React framework
- Start production of the backend using Node.js and Express.js