

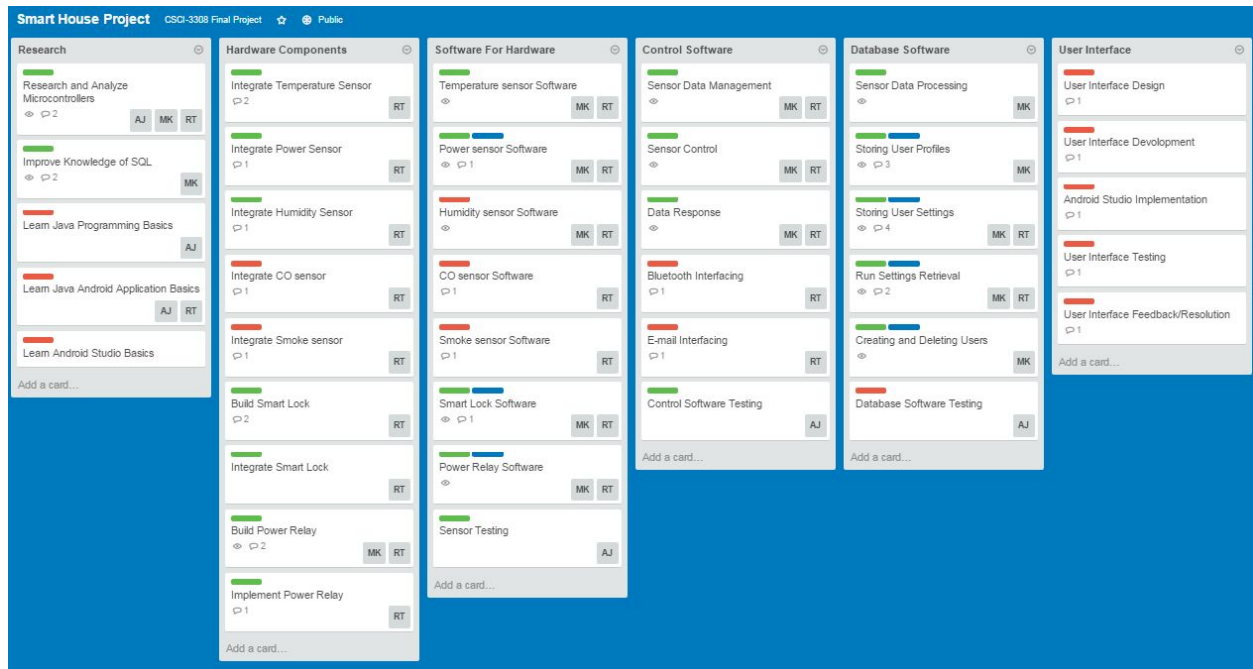
Who: Ankhbayar Jansan, Mitchell Klein, Ryan Talley

Title: Smart House

Vision Statement: To design a house that functions electronically and autonomously based on the homeowner's personal preferences.

Project Tracker: Trello

Link: <https://trello.com/b/L3aPW5Xw/smart-house-project>



Project Videos:

Link:

<https://drive.google.com/a/colorado.edu/file/d/0B0MJDaI3hKqXbVp0V1FXQXM3NVE/view?usp=sharing>

Link: <https://youtu.be/4hLfqULZtTQ>

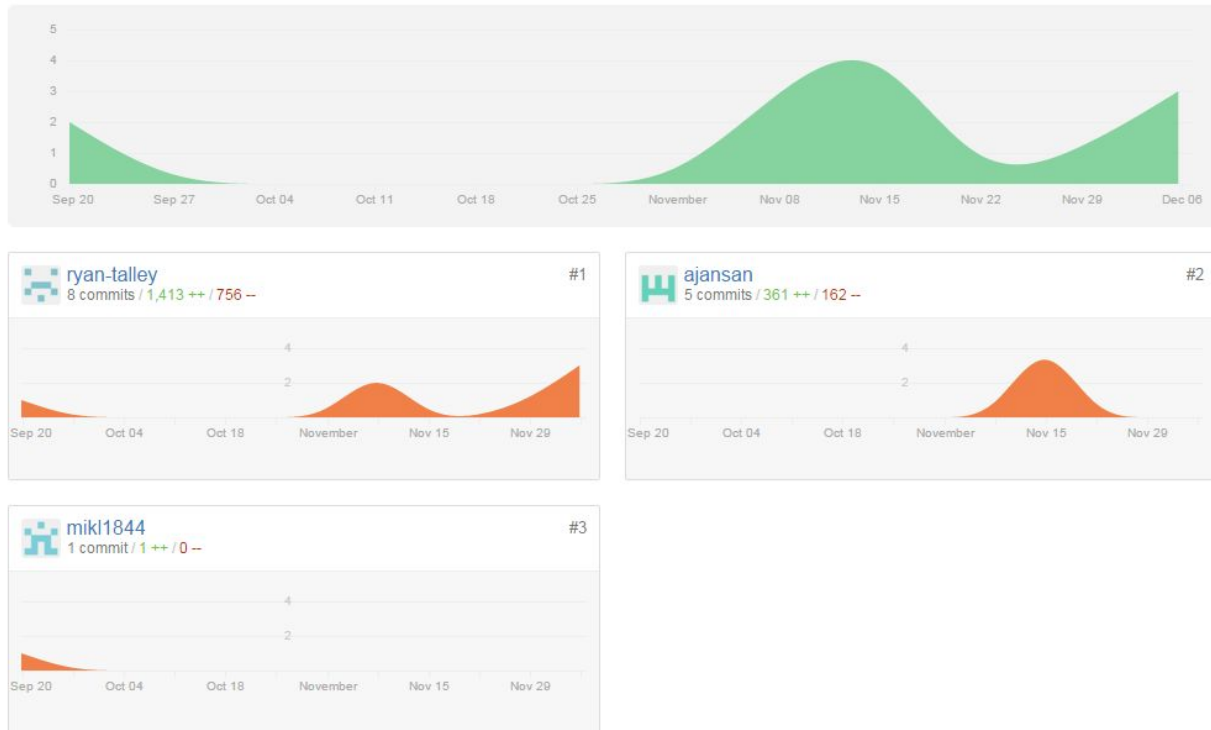
Project VCS: GitHub

Link: https://github.com/mikl1844/CSCI_3308_Project

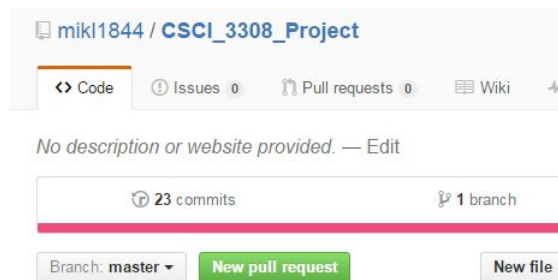
Sep 20, 2015 – Dec 7, 2015

Contributions to master, excluding merge commits






























Contributions: Commits ▾



Due to an issue with GitHub the above graphs are wrong. If you total the commits it comes to a total of 14 commits. As shown in the following picture there were a total of 23 commits made to the repository.



For some reason the commits made by Mitchell Klein were not shown on the graphs. The following picture shows that while the graph says that he made 1 commit he actually made 9 that were not recorded.

	Create functions.h ajanaan committed 19 days ago		4042c31	
	Create functions.c ajanaan committed 19 days ago		198ebb6	
Commits on Nov 13, 2015				
	Light Relay code using same base as Push Lock miki1844 committed 24 days ago		3b21a58	
	Added light relay section in House_DB miki1844 committed 24 days ago		5c5a617	
	made the file so that it has a lock function miki1844 committed 24 days ago		de96ca6	
Commits on Nov 11, 2015				
	added PDF document for Part 3 of the project. ryan-talley committed 26 days ago		5a3e474	
Commits on Nov 10, 2015				
	Fixed some minor errors in Pull_Data and Push_Data. ryan-talley committed 27 days ago		947f38c	
Commits on Nov 9, 2015				
	Added push ans pull data from the database functions. ryan-talley committed 28 days ago		1d8edfd	
	Updated Push_Lock function that should be ready for final use miki1844 committed 28 days ago		9fd126a	
	Compile C++ using g++ filename -o file -I/usr/include/mysql -DBIG_JOI... miki1844 committed 28 days ago		5263f55	
Commits on Nov 5, 2015				
	initial lock code for database miki1844 committed on Nov 5		78e2d6e	
	This is the Test file to make sure the to be able to write to sql miki1844 committed on Nov 5		26b19eb	

Deployment:

In order to deploy this project the following steps must be followed. First clone the project repository to a Raspberry Pi. Then download the Arduino IDE to the Raspberry Pi. Next connect an Arduino Uno to the Raspberry Pi with a USB cable. Then download the MySQL server to the Raspberry Pi and set up the server. Next clone the repository mentioned in our VCS link down to the Raspberry Pi. In the cloned repository navigate to the demo_code directory. Then run make which will build the demo executable. Next open a local MySQL server as a separate process running in this directory. Then in the SQL server run source smart_home.sql to build the project's table. Next navigate open the Arduino IDE and open the interface_driver.ino file that is in the cloned repository's arduino directory. Then push this file to the Arduino using the Arduino IDE. Finally return to the demo_code directory and execute the smart_home_demo executable.

Auto-Doc: Doxygen Link: