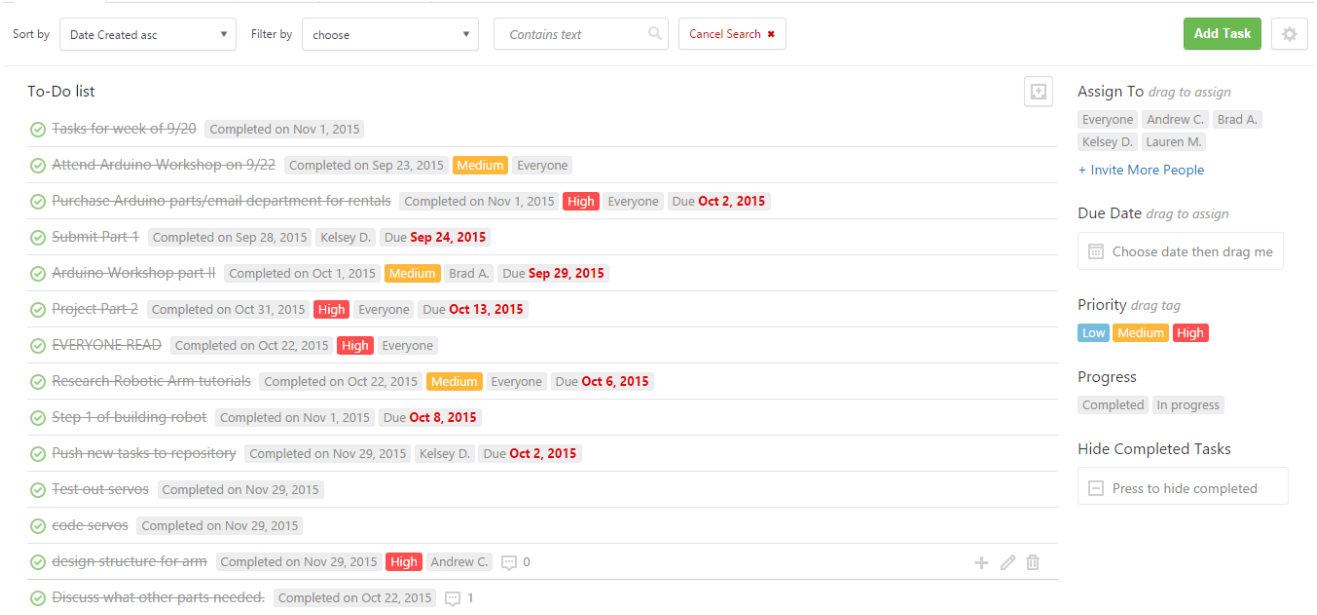
CSCI 3308 Software Development Methods and Tools
Project Final Submission

**Title:** Robotic Arm

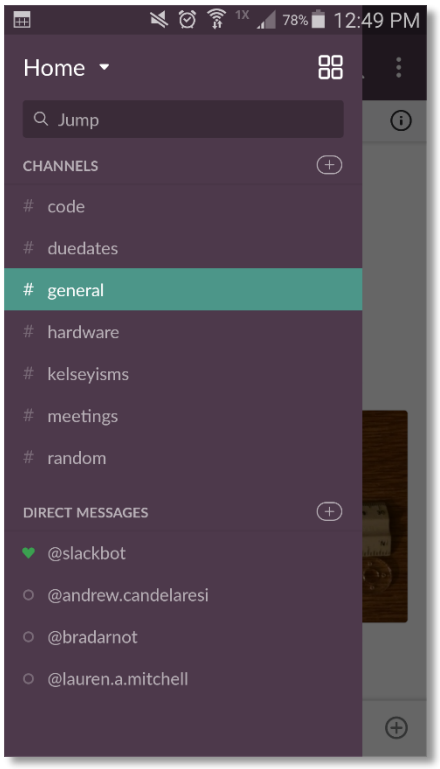
**Who:** Bradley Arnot
Andrew Candelaresi
Kelsey Dowd
Lauren Mitchell

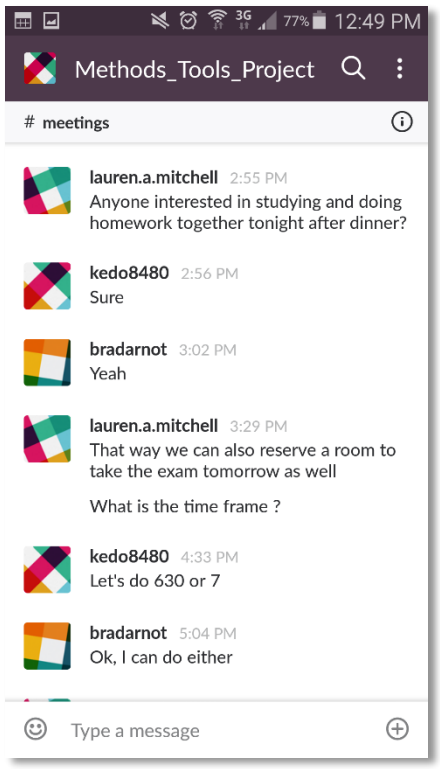
**Project Tracking Software:** Freedcamp, and Slack for communication
https://freedcamp.com/Laurens_Projects_Dz5/Software_Method_3iw/todos

In order to gain access to our Freedcamp, we have invited you to make an account and view our project tracker. If this doesn't work, we also exported our tasks to an excel document and that is also on GitHub, titled exported list of project tracker tasks.




**Freedcamp screenshot: part of our ToDo list**




**Some example Slack screenshots: Left are all of our channels, Right is an example conversation**

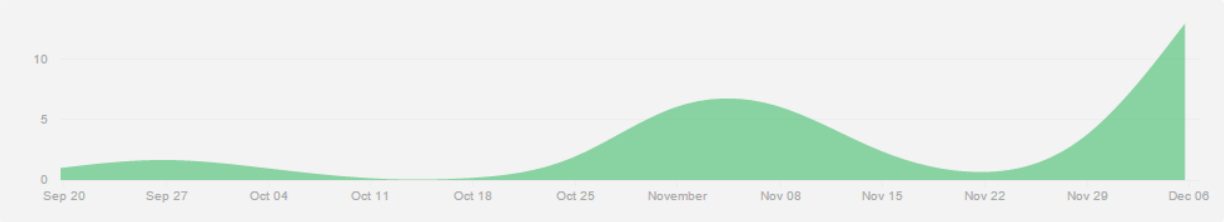
**Video:**
Final Demo Video: https://www.youtube.com/watch?v=jfNERC8yszY
The rest of the videos for our project are on the video document on github.

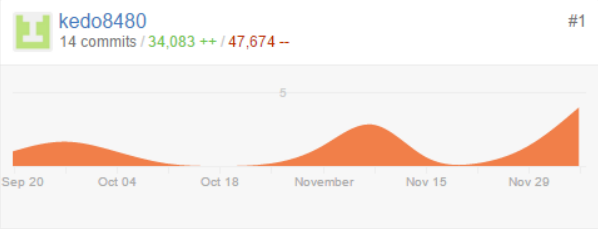
**Deployment:** Since this is a hardware project, you need to have the robot arm assembled to use it. Once you have the robot, you can plug it in to use it. You must plug in both the power to the Arduino and the power to the shield (explained in the demo video). Finally, the Arduino code is already uploaded to the Arduino, but if the user would like to change the code or functionality of the robot, they must download and install the Arduino IDE (open source), and use the adafruit PWM shield library. .

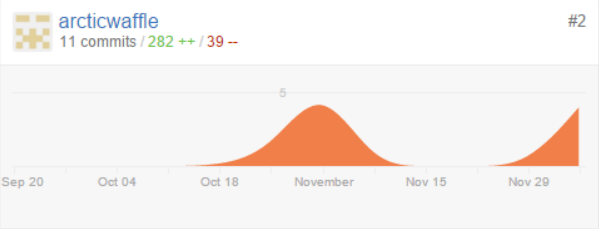
**Auto-documentation:** For auto-documentation, we used Doxygen.
Link to HTML: http://htmlpreview.github.io/?https://github.com/candeladd/Methods-Tools_ProjectFall2015/blob/master/Source_Code/docs/html/index.html
Link to PDF: https://github.com/candeladd/Methods-Tools_ProjectFall2015/blob/master/Source_Code/docs/latex/refman.pdf

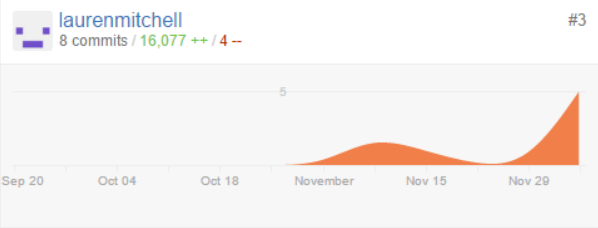
**VCS:** github
https://github.com/candeladd/Methods-Tools_ProjectFall2015.git

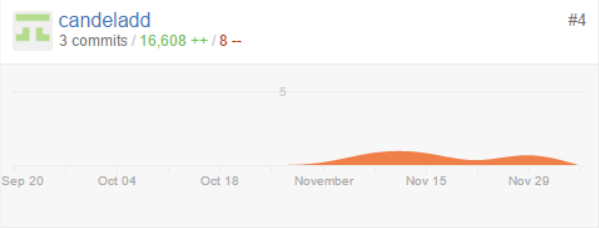
Kelsey's commits: kedo8480
Brad's commits: arcticwaffle
Lauren's commits: laurenmitchell
Andrew's commits: candeladd


10
5
0
Sep 20
Sep 27
Oct 04
Oct 11
Oct 18
Oct 25
November
Nov 08
Nov 15
Nov 22
Nov 29
Dec 06


kedo8480
#1
14 commits / 34,083 ++ / 47,674 --
5
Sep 20
Oct 04
Oct 18
November
Nov 15
Nov 29


arcticwaffle
#2
11 commits / 282 ++ / 39 --
5
Sep 20
Oct 04
Oct 18
November
Nov 15
Nov 29


laurenmitchell
#3
8 commits / 16,077 ++ / 4 --
5
Sep 20
Oct 04
Oct 18
November
Nov 15
Nov 29


candeladd
#4
3 commits / 16,608 ++ / 8 --
5
Sep 20
Oct 04
Oct 18
November
Nov 15
Nov 29