Course code : TECH1102

Semester/Year : FALL2017

Assignment code: GP1

Group name : overnight_coders

Group Author(s) : Anderson Resende Viana a.resendeviana683, Kiranjit Bassi k.bassi437, Gurpreet Sehmbey g.sehmbey985, Khushveen Smagh k.smagh938

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Description : Documentation for IoT

Fritzing:

Fritzing was a bit clunky and not all the parts I needed were available on the forums or on the program. The schematics were a bit tricky to organize which as well was a bit of a problem. However, once I figured it out, Fritzing was a good program to use for Circuit Diagrams.

Visual Studio Code:

Visual Studio Code was great to use, all the extensions were easy to install and use. The GIT integration was also a very appreciated addition as it made committing a breeze. The only problem with Visual Studio code is since many extensions are made by the community, there can be problems on the extensions that take longer to fix than it would if it were developed by the official company.

Trello:

Trello has been helpful for scheduling and planning. There's very little problems on the desktop version of the program to comment about. However, the mobile version does feel a bit clunky and awkward to use. The developers should spend some time to fine tune the way it works on phones so that it's a smooth transition from desktop to mobile.

Draw.io

Using Draw.io was a quick and simple online tool. The best part was none of the features were locked behind a paywall which means exporting the file was possible in all the possible formats available. The only problem is the aesthetic for the shapes is a bit bland compared to some of the other diagram tools available.

GITLAB

GIT is very easy to figure out the basics and use for the most part. Throughout the project we have had very little problems using GIT. Pushing and pulling is very quick which means there's nothing to worry about when we need to get something done quickly and efficiently.

Pencil

Pencil's a much more in-depth diagram creator. At times the tool feels a bit overwhelming due to the amount of choices available when we're trying to figure out which shapes to use. Since there is so much choice available, the aesthetic of the shapes varies from category to category which is a very good thing.

Roles

Manager: Gurpreet Sehmbey

Reflector: Kiranjit

Recorder: Khushveen

Speaker: Anderson

Schedule:

Meeting Dates:

- October 17, 2017: Figuring out what we are going to work on and creating a plan.
  - Attendance: Anderson, Kenny, Khushveen, Gurpreet, Kiran
- October 24, 2017: Changing plan after our group member leaves the program.
  - Attendance: Anderson, Khushveen, Gurpreet, Kiran
- November 9, 2017: Planning and working based on our new idea.
  - Attendance: Anderson, Khushveen, Gurpreet
- November 16, 2017: Progress report.
  - Attendance: Anderson, Khushveen, Gurpreet
- November 30, 2017: Progress report and assigning new tasks to work on.
  - Attendance: Anderson, Khushveen, Gurpreet, Kiran
- December 4, 2017: Progress report.
  - Attendance: Anderson, Khushveen, Gurpreet
- December 5, 2017: Last minute adjusting and recording video of the Arduino in action.
  - Attendance: Anderson, Khushveen, Gurpreet

Bill of Materials

Number of Parts	Part Name
1	LCD
1	Arduino Leonardo
1	Buzzer
1	Red LED
1	Blue LED
1	Potentiometer
2	Power Banks