Executive Summary

Jonathan Phillips

1. My main contributions for this project were designing and programming the front end for the user interface. This included programming a number pad and a keyboard for the user to input data. As well as meeting with Jared, Christian and other members of Creedmoor to go over their proposed user interface and the features they wanted included with the project.
2. I was a very supportive teammate that tried to make everyone feel happy when we were encountering roadblocks in the project, as well as doing my best to help when I could.
3. My focus of the Final Documentation was creating the HTML document that linked all the required documents. Also, I was responsible for ensuring all the files created for this project were included in the flash drive, which included: weekly reports, block diagram, etc.
4. One suggestion for the future work on the project is figuring out how to utilize the left and right arrows on the bottom bar of the user interface. Dale and I concluded that it would take far too long and the possible necessity of rewriting how the pages communicate with one another.
5. Week Breakdown on next page:

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| Week | Hours | Major Tasks |
| 1 | 8 | Created Gantt Chart and Researched LCD Screens |
| 2 | 8 | Reviewed Hardware from Creedmoor and Started Front end |
| 3 | 8.5 | Created UML Mockup and |
| 4 | 11 | Added Buttons suggested by Jared and Christian |
| 5 | 11 | Changed UI to what Jared proposed |
| 6 | 12 | Created raised and lowered button states and added bottom bar with home, power, and left and right arrow buttons |
| 7 | 10 | Created Image.py for all the images and implemented Christian’s images in the UI |
| 8 | 11 | Started save\_page.py |
| 9 | 11 | Added more images to Settings pages and created the keyboard |
| 10 | 15 | Added unit change pop up window and added the functionality of changing between letters and symbols on the keyboard |
| 11 | 15 | Merged front end code and |
| 12 | 15 | Touched up images, refined fonts and sizes of buttons, and added comments on every file |
| 13 | 15.5 | Created HTML file, executive summary, added weekly reports  Presentation |
| Total | 151 |  |