I worked with Alvi and Tyler.

With the time constraint on the project after finishing the Interrupts lab, we knew it was going to be tough to finish the final project on time. We decided to go with a door lock, since it seemed like something that we’d be able to do well with the time we had. However, it was much more difficult than we had envisioned. Alvi did the majority of the hardware for our project. This was tough since we used hardware from RGB lab as well as input/output. Tyler and I wrote most of the code with minor help from Alvi and lots of help from Tyler. We spent two and a half class periods working on our project. So, we spent roughly five and a half hours working on our project in class. I think around a class period worth of time working on getting the hardware configured. I wrote pseudocode the first half class period. Then with Tyler’s help, turned the pseudocode into actual first draft code. The second day we realized we needed to add several more states and write a bunch more code. So, I troubleshot trying to fix the code with Tyler’s help. At the end of the second day I realized what needed to be fixed with the code so I worked on it for about an hour at home fixing the bugs. The third class period we all worked on just refining the code and adding the interrupt to the code. Alvi had to switch around some of the hardware since we needed to change which register we used to include the interrupt. So all in all I would say I spent 6 hours coding or troubleshooting and minimal time with the hardware. Tyler spent 4-5 hours with coding/troubleshooting and some time with the hardware. Alvi spent less than 1 hour with coding/troubleshooting and most of the in class time with hardware.