***Report for Zumo Robot Assignment***

For this assignment we had to have a Zumo 32U4 robot navigate a maze , operate with given instructions and find the missing object, reach the end of the maze and get home with re visiting the object again. The completed tasks I did were 1, 2, 3, 4, 5, 6. I performed the key objectives for these tasks, however there are things I could’ve done better with these. One of the key Problems I had was getting the data to transfer over the wireless Serial port. This had an impact with how much information I could send to and from the Arduino, as a result I don’t have information travelling from the Arduino to the Gui, but data from the Gui to the Arduino works fine. The autonomous correction could be better, as I didn’t use the built in Gyro on the Zumo for turning, my values are “hard coded.”

I didn’t really use code from sauces other than the given examples from the Arduino IDE itself. I took that, used what I needed and turned it into something I could use. As mentioned earlier the key issue for me was the data transfer between the Arduino and the Gui, along with this the Time I had was an issue. Not so much with the length of time we had for the assignment, but with numerous other big projects going on I wish I could’ve spent more time on it.

All in all I enjoyed working on this project. I learned a lot about Microprocessors and Radio control; because of this I will probably be using a Zumo or something similar for the group project to come.