Submission Date	9/15/2017
Project Name	DMX light - RSlinx Reciever
Student Name	Erick Cantos
Project website	https://erickcantos13.github.io/SensorEffector/
My project will	Control a DMX light by wirelessly transporting DMX signals to the device
The database will store	Different attributes about the DMX light; hue, spectrum, longevity
The mobile device functionality will	A Dashboard/Menu that allows the user to customize specific lighting preferences.
I will be collaborating with the following company/department	Crystal Fountains
My group in the winter semester will include	Vyacheslav Perepelytsya, Heakeme Williams
50 word problem statement	Users should have the ability to automate or control DMX lights at home without having to purchase such expensive equipment. Thus, the raspberry pi will bring provide an inexpensive demonstration of achieving similar effects to professional illuminations. In addition, Illuminating the home should provide a wireless DMX connection where the integration of customization is possible.
100 words of background	Lighting control becomes key when setting a mood/tone for theatrical-performances, movies, or even at home. DMX lighting is commonly controlled through a DMX-512 controller which works with DMX signal protocols, and an networks of lights may become established by daisy chaining DMX lights together.
Current product APA citation	Vera, G. A., Abdelnour, A., Sarkis, M., Georgiadis, A., Kaddour, D., & Tedjini, S. (2016). Passive RFID-enabled proximity sensor. Microwave Symposium (IMS), 2016 IEEE MTT-S International. Page Numbers. DOI: 10.1109/MWSYM.2016.7539961
Existing research IEEE paper APA citation	Vera, G. A., Abdelnour, A., Sarkis, M., Georgiadis, A., Kaddour, D., & Tedjini, S. (2016). Passive RFID-enabled proximity sensor. Microwave Symposium (IMS), 2016 IEEE MTT-S International. Page Numbers. DOI: 10.1109/MWSYM.2016.7539961
Brief description of planned purchases	Raspberry pi, DMX light. More specifics can be found in the analytical budget.
Solution description	Hopefully bringing this propsal to the real world will solve the problem.