Composition of Your Team:
5 pts – Tell me about the team members and their individual qualifications. Identify what skills and strengths each team member brings to the table.

Zak: Design and editing experience in Photoshop or GIMP, a good understanding of C/C++ and Verilog, working on personal projects with Arduino and FPGA, 3D modeling experience in Sketchup, building circuits, and writing.

Preliminary Parts List:

Some of these parts we already have which could lower the total cost.

Module	Part	Qty.	Cost Each	Total Cost	Alternative
Microcontroller	Arduino UNO WiFi	1	$44.90	$44.90	Raspberry Pi
	Arduino UNO	1	$22.00	$0.00	Raspberry Pi
	--- WiFi Module	1	$6.95	$6.95	Adafruit
Directory Board	RGB LED	25	$8.99 – 100 pack	$8.99	Any other bulk pack
	Resistors	25+	$5.99 – 775 pack	$5.99	Any other variety pack
	MOSFET	25	$0.90	$22.50	ON Semicon.
	Shift Register	3	$2.75 – 3 pack	$2.75	Any other 74HC595
	Wire	N/A	$9.48	$9.48	Any other generic wire
	Power Supply	1	$7.99	$7.99	Any other 5V/2A+
Motion Sensor	Passive Infrared Sensor	1	$9.49 – 5 pack	$9.49	Any other HC-SR501
	Power Supply	1	$7.99	$7.99	Any other 5V/1A+
			Total:	$127.03	

Preliminary Cost:

According to Payscale, entry level computer engineers make about $71,000 per year on average, entry level embedded systems engineers make about $68,000 per year on average, and entry level electrical engineers make about $75,000 per year on average. Since the team will be taking on tasks that stem from all of these fields, the average of these salaries should be considered which is about $71,000. The team will work on this project for about 9 months, so dividing the salary by 12 months gives a monthly wage of about $5,900 per month per team member. Total pay for the team for 9 months of work is about $212,000.