Submission Date	2019-09-10
Project Name	Smart Home Monitor
Student Names	Andrew Liauba, Luca Rojas, Lucas Finiello
	https://github.com/getLiauba/SmartHomeMo
Project repository	nitor
	Tempature sensor, Motion sensor, gas
SensorsEffectors choices	sensor,camera
	Tempature throughout the day, images when
The database will store	the motion sensor is triggered
	send notifications to user when motion sensor
The mobile device	is set off, or when tempature is too hot and
functionality will include	trigger a fan to turn on
ranctionanty win include	
	After talking to Austin about collaberators, he
Luill be cellaboration	has put us in touch with professor Khan from
I will be collaborating	the electomechanical engineering program.
with the following	We are waiting on an email back from
company/department	professsor Khan.
My group in the winter	Andrew Lieube, Luce Deise, Luces Finialle
semester will include	Andrew Liauba, Luca Rojas, Lucas Finiello
	Leaving your home and not knowing the
	status of it can lead to some concern for
	individuals. It would be beneficial if people
	had the ability to monitor the state of their
	home electronically through an app that's
	connected to hardware within the home, and
50 11	were able to control the environment for
50 word problem	example to turn on a fan to cool the house
statement	down or AC unit.
	Looking at the current smart home monitoring
	systems they currently offer separate
	modules for different types of monitoring.
	Where we are proposing an all in one system
	with the modules built in. currently 2 common
	systems that came up were made by rogers
	and bell. They offer: Live video streaming,
	smoke and fire monitoring, water leak
	monitoring and thermostat control to name a
	couple. There are also companies that have a
	similar product but they market it as a
	security system although they do not have
100 words of background	temperature monitoring or control.

Current product APA	Woodall, M. (2019, September 4). Best Security Systems in Canada 2019: Find the Right One! Retrieved from https://www.reviews.org/home-security/best-
Existing research IEEE paper APA citation	security-systems-canada/
Brief description of planned purchases	Raspberry Pi and arduino are already owned, so the tempature sensor, Motion sensor and Gas sensor will need to be purchased.
	We are proposing to build a monitor that tracks the tempature humidity, gas levels and motion of your home. The Firebase database will sore the data generated by the sensors. The mobile device application will include the ability to see the current data and past sensor
Solution description	data as well as control a small fan to cool the tempature.