Project Name	HVAC
	TIVAC
•	Jan Fontanosa and Maasha Maheson
Project repository	https://github.com/fntj0052/HVAC
SensorsEffectors	
	Touch sensor, moisture sensor, LCD touchscreen, and stepper motors
The database will store	Operational status/condition and maintenance reminder
The mobile device	
functionality will	
include	Ability to toggle operational mode and set maintenance schedule
I will be collaborating	
with the following	
company/department S	School of Applied Technology
My group in the winter semester will include	Jan Fontanosa and Maasha Maheson
	creating and improving upon the monitoring of Heating, Ventilation and Air
	Conditioning (HVAC) systems with a user-friendly interface, with the ability to
	remotely control the system activities using a mobile device, and to fetch stored
I	information on the system's condition from a cloud database.
Statement	Thornacion on the system's condition from a cloud database.
r r c l 100 words of background	HVAC systems are useful in all kinds of building applications: a smarter system can provide significant energy and financial savings while scheduling usage and allowing more granular control for systems used in specific applications (a HVAC system used to monitor an industrial refrigerator room will require different settings in comparison to one used in a residential building). By providing the ability for remote control using an Internet of Things(IoT)-based HVAC system, administrators of the system can ensure that the system is working as intended and can administrate changes to the system in a secure manner.
Current product APA E	Ecovent Systems Inc. (n.d.). <i>Ecovent</i> . Retrieved from
citation	https://www.ecoventsystems.com/smart
ļ.	Al-Ali, A. R., Alikarar, M., Gupta, R., Rashid, M., Zualkernan, I.A. (2017). A smart home
6	energy management system using IoT and big data analytics approach. IEEE
	Transactions on Consumer Electronics , 63 (4), 426-434. Retrieved from
_	http://ieeexplore.ieee.org/document/8246800
Brief description of	
	No additional planned purchases
	for a user-friendly, Internet of Things-based HVAC system