Submission Date	9/15/2017
Project Name	Fingerprint Reader
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Project website	thekeme.github.io/SensorEffector
My project will	read the physical characteric of the human finger and store it on the device. It will also allow more atleast two diffferent fingers to be read and store per user.
The database will store	The fingerprint read by the reader.
	This device will used a capacitive scanner/reader to measure the user's finger
The mobile device	electrically. When the user lays his/her finger on the device the ridges on the finger
functionality will	will be touching the surface while the hollow part is not; the reader will measure the
include	distance and save it.
I will be collaborating with the following	
company/department	I haven't decided on the department/company yet.
My group in the winter semester will include	Vyacheslav Perepelytsya and Erick Cantos  Having a fingerprint will decrease any sort of security risk in the future. You will be
50 word problem statement	able to open your phone with a single touch hence saving you the tedious time of typing in a password/passcode. You can also put a lock on your app with a different finger hence increasing your security.
100 words of background	Technology is an on steady train moving as fast as light. Everything is done electronically now from accessing doors, buying groceries and even communication; with this ongoing train towards a technological future, people are trying to stay ahead of it for the fear of being left behind and having someone put a false pretense in order to fraud or con them. Hence when it comes to security you want to to be personal, safe and easy - that's why fingerprint reading will play an important role in this, even the biggest facilities such as NASA uses biometrics. The UI is completely user friendly and completely cogent.
Current product APA	How fingerprint scanners work - optical, capacitive, and ultrasonic variants explained. (n.d.). Retrieved from http://www.androidauthority.com/how-
citation	fingerprint-scanners-work-670934/
	Clark, P. C., Cook, G. R., Fisher, E. L., Fulp, J. D., Linhoff, V., & Irvine, C. E. (2010). New
Existing research IEEE	pathways in identity management. IEEE Security Privacy, 8(6), 64–67.
paper APA citation	https://doi.org/10.1109/MSP.2010.183 Fried, L. (2017).
Brief description of	
planned purchases	\$100 raspberry pi kit(with power supply and micro chip). Capacitive scanner - \$60
	Fingerprint Reader is my proposal. Security is a demand on the market and I strongly believe that bimoetrics will be the place to turn too, since genetically we are all
Solution description	different.