Submission Date	2018-09-11
Project Name	**Easeometer**
Student Name	Ryan Maynard
Project repository	https://github.com/rfmaynard/Accel-MagnetoMeter
SensorEffector Choice	**LSM303 Accelerometer & Magnetometer**
The database will store	Speed, Velocity, Direction(Compass)
The mobile device functionality will include	View distance traveled for the day, calories burned, steps, toggle start/stop/pause/bike mode/walk mode
I will be collaborating with the following company/department	Humber School of Applied Technology
My group in the winter semester will include	Delroy Christie, Jonas Gamao
50 word problem statement	Simplfying the current pedometer for the aging generation looking to get healthy. Most older users are turned off by complex devices and UIs. Being able to monitor their own health by implementing a simple and user-friendly interface can lead to a more active lifestyle.
100 words of background	Pedometers/wearable/portable technology is used everywhere. With the baby boomers becoming an aging population, and with health concerns on the rise, this easy to use system can promote a healthier lifestyle with the added ease of use. By using IoT/Cloud software, users can track their usage and compare it over days/weeks/months to ensure they are getting the exercise needed.
Current product APA citation	KNOW YOURSELF TO IMPROVE YOURSELF. (n.d.). Retrieved from https://www.fitbit.com/en-ca/home
Existing research IEEE paper APA citation	Genovese, V., Mannini, A., & Sabatini, A. M. (2017). A Smartwatch Step Counter for Slow and Intermittent Ambulation. IEEE Access, 5, 13028-13037. doi:10.1109/access.2017.2702066
Brief description of planned purchases	Pi3, LSM303, GPIO Connectors, Case
Solution description	A user friendly, Cloud/IoT based pedometer for the technologically weak aging population.