Submission Date	9/10/2019
Project Name	EmergensUI - Vehicle Dashboard (GPS portion)
Student Names	Kevin Lieng, Quyen Lu, and Seung Min Song
Project repository	https://github.com/kevin-lieng/emegensui-automotive-ui
SensorsEffectors	The part of the pa
choices	BerryGPS-IMU V3 or Adafruit Ultimate GPS with gpsd
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The database will store	the locations that is captured through the GPS sensors in latitude and longitude.
	the ability to allow the communication between the dispatcher with paramedics
	and/or doctors and nurses to allow for quick response times and reduced panic. In
The mobile device	terms of digital dashboard functionality, the dashboard should be able to display the
functionality will	basic information car information when driving. (Speedometer, tachometer,
include	odometer, temperature gauges, navigational system).
I will be collaborating	
with the following	
company/department	Industrial Design mentor, Professor Dennis Kappen
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My group in the winter	
semester will include	Quyen Lu and Seung Min Song.
	In the current state, medical emergencies can be made more efficient. The
	communication between dispatchers, paramedics, and doctors are not in sync and can
	be improved to allow for quicker response and preparation times. If this can be solved,
50 word problem	the chances for survival for patients can be increased if they can be attended to
statement	efficiently.
	The project that we are currently working on is a concept that may be implemented
	into future ambulances to allow the paramedics to easier communicate between the
	dispatcher and doctors at the hospital. This can all be achieved through a more
	technological or digital dashboard within future ambulances. It would essentially still
	function normally as an ambulance with more up to date technology to decrease the
	time needed to transfer patient medical information in real time between dispatchers,
100 words of	paramedics, and doctors. This can either be done through the digital dashboard or
background	through the mobile application.
<u> </u>	Formosa, B. (2019, February 13). Collaboration at Humber College creates
Current product APA	augmented reality for emergency vehicles. Retrieved from
citation	https://www.gh360.ca/?p=7393
	Akin, B., Choi, S., & Toliyat, H. A. (2012). DSP Applications in Electric and Hybrid Electric
Existing research IEEE	Vehicles [In the Spotlight]. IEEE Signal Processing Magazine, 29(3), 133–136. doi:
paper APA citation	10.1109/MSP.2012.2185863
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Brief description of	I plan to purchase: a raspberry pi 3 kit, either the BerryGPS-IMU V3 sensors or the

	The digital dashboard and mobile application within this project would allow for a
	more up to date approach to send and retrieve a patient's medical information.
	Although just a concept, if fully implemented it would declutter the outdated
	technology that is within current ambulances and allow for more space and
Solution description	functionality within future ambulances. All in all, becoming a "smart" ambulance.