Weekly Progress Report: 27th Oct – 2nd Nov

CS413 – Group 3

# Issues Raised

1. Do we need Bluetooth capabilities? USB upload from RPi to computer may be better as all computers have USB ports, whereas not all computers have Bluetooth. However, we would need to buy a USB hub as the USB port will already be being used by the GPS receiver.

Dropping Bluetooth as it is not required. USB will suffice.

1. Detailed Information such as pistons - what else?

Discussed and decided, see json file example in repo

1. What file type should the RPi store all extracted data in?

JSON

1. Could inform user of how much money they would have saved by cycling rather than driving certain journeys – getting too far away from an embedded system?

Do not want to include this in our core functionality so will not include it in our design. It could be an idea we can revisit.

1. Graphs to show speed/mpg over journey.

Trying to keep the web app simple with only really an economic driving score so we will drop this idea.

1. Merge each section into one document.

Done

1. Sections of document to do together.
   1. Create project plan – GANTT chart.
   2. Current progress.
   3. Conclusion.
2. Come up with name.

PIMPED – Progressive Improvement in Motoring Proficiency for Economic Driving

1. Which GPS receiver are we using?

<http://thepihut.com/products/adafruit-ultimate-gps-breakout>

AdaFruit Ultimate GPS breakout

1. Need to decide if we are using battery power or powering from the car.

Using power from the car, cigarette lighter