Agenda

* [AD] to present his database view solution
  + Discuss progress of integration of database and website
* [RS] and [WB] to update on progress of login of website.
* [AP] and [MM] to present and demonstrate their implementation of WiFi module
  + Explain how it transfers data over the internet and update us on the code comments
* [MS] to present first draft of scoping document for us to agree on
* [MS] and [IH] to present MSCOW document and ratify it

Minutes

[AD] updated us on the status of his PHP page, and how he’s organising the raw sql data into a table for display then implementing into [WB] and [RS]’s website. [WB] and [RS] have finished layout of simple website and have implement the ability to and save data into drop downs via PHP get and post commands.

Mohammed Siddique is completing the scoping and software documentation. Hardware/software requirements are now locked with MCSOW principles in place thanks his close work with [IH]. These principles and bare requirements where discussed with the team who seem more than confident in their abilities.

[AP] and [MM] have discussed hardware tasks and have made bounding progress with WiFi; they have experimented extensively with the WiFi libraries. [IH], [MM] and [AP] have discussed using a WiFi router as a base station, plans are in place to acquire a base station and static Ip, actioned to [IH]. Until then we have agreed to develop with a mobile hotspot which [MM] has set up on his device. The hardware unit was demonstrated sending button press data between the unit and the website via the internet, [WB] was very impressed. [MM] added that the buttons controlled an LED on the unit, who’s status was shown on the website. [AP] and [MM] stressed that the LED’s could be swapped out for motors when needed.

[WB], [RS], [AP], [AD], and [MM] will need to schedule a day where they can work together and integrate all website features onto a single website, until then [MM] and [AP] will focus on hardware.

[MM] made us aware of [AP]’s idea to use a lateral stepper motor to push and pull the valve closed, [AP] explained this will lie externally of the pipe work and will open and closed using a similar message transfer system used by the buttons to transmit data to the website. [MS] enquired about the pricing and [IH] explained that if we did have to buy equipment we could get it reimbursed from the uni although he will ask Steve about it.

Goals for next meetings

* [AD] to display all database in html table form using user specific queries
* [AP] and [MM] to build a working prototype of valve controller
* [RS] and [WB] to combine their websites and streamline the user experience
* [MS] To finish pricing up hardware and create a purchases document. Work with [AP] and [MM] to work out what hardware is needed
* [IH] to 1:1 check on each member, understand their thoughts and any concerns on the project