Agenda

* [AP] & [MM] To present solution with increased motor speed and explain how it was achieved.
* [AP] & [IH] To solve heating issue.
* [MS] & [RS] Will present methods to authenticate websites based on permissions and login, [RS] to demonstrate his solution so far.
* [WB] Will demonstrate valve selection and control process.
* [AD] To display all his database manipulation scripts and explain implementation.

Minutes

[AP] demonstrates current edition of hardware stating that the reason for the speed and the heat was an increased voltage and ampage being pulled from the board. These have since been rectified with [MM]’s help and the heating issue has been solved.

Client identified emergency stop button as required feature.

[IH] has brought the heatsink for use and experimentation and although it cools down the board massively it’s too bulky to be used for the real-world solution and is discarded under recommendation by [MS] for simplicities sake.

[RS] demonstrates barebones login script, that uses HTMLs form method to check if text is correct. [AD] comments that the password is stored as plain text within the page source, [RS] states that this can be hidden. [MS] is sceptical and states he’d prefer an SQL method to which [IH] agrees. [RS] argues that this could be implemented but may take more time. [IH] delegates the task to [RS] but assigns [AD] to assist.

[IH] moves over to website to which [WB] demonstrates. Valves are categorised into locations; Birmingham, Walsall, Wolverhampton and Redditch. Valves are currently selected via drop down. Client poses the question as to whether drop downs are reliable for a huge system with >3000 valves. [IH] suggests moving to an ID search-based option to which [RS] agrees. Current valve manipulation buttons include; Open, close and test. Client would like a test all button added to which [IH] agrees. This is delegates to [RS].

[AD] demonstrates his various database scripts, his tables page relies on user input to a search box which he states is more intuitive. [MS] agrees that this will be better for a larger system compared a drop down as mentioned earlier.

Goals For Next Meeting

* [MM] & [AP] Implement emergency stop hardware and increase safety of device via soldering.
* [RS] & [AD] To finalise security and authentication methods.
* [WB] & [IH] To port valve creation methods and SQL script to new website.
* [MS] To start creating presentation media.