Glucometer

Team Meeting Minutes

February 20, 2015

Sofyan’s Demo

* Web login
* Editable tables
* Different sign on users
* Mobile login also works
* Suggestions – add folders or filters to only see recent data that you’re interested in
* Mike showed a mock up of what we want the mobile site to look like

Mike’s Demos

* Explained how the test strip works: the different nodes, the voltage response, etc.)
* Demo how to connect it with clips.
* Showed the oscilloscope response of the circuit. Linear spike, plateau, and exponential decay
* Need different solutions to properly gauge the circuit
* Need to purchase the generic test strips
* Needs three op-amps; added a difference amplifier

Chris’s Demo

* Able to connect his phone to the Bluetooth
* Send some data through. Difficulty with the number of data transactions
* Next, work with Sofyan with send data to database
* Add verification (pin number) to prevent data theft. Is it necessary?

Matt’s Demo

* Was able to read the initialization sequence sent through SPI in Arduino
* Developed the SPI to write to the LCD with PIC16
* Used PIC32 to work to start the LCD screen
* Know how to write all the commands, just not sure how to bitmap it to show something
* Adafruit software for OLED writing an alphabet

Ish’s Demo

* Changing focus to the lancing device
* Considerations: spring loaded (depth settings) and actual injection execution
* Working on how it will fit within the pen cap