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## Past Goals (The week of Feb 4th)

## Complete PCB routing and begin USB enumeration process for recharging circuitry

## Enable USB logging on MCU

1. Get USART working with DB9 cable communication
2. Get the wireless transceiver functioning
3. Finish basic web interface GUI using PHP and mySQL running on Apache
4. Start testing Ethernet code

## Issues

1. Have a lot of bypass capacitors from different sections that are clogging up the board. Need to reduce the number of bypass caps in final design
2. The PCB design will not fit on a one size fits all board. Therefore, the design will have to be broken into two components, the user interface as well as the controller unit
3. USB implementation with stk600 is too difficult and lack proper resources
4. Programming issues with the wireless transceiver
5. Still waiting on hardware for Ethernet to arrive before begin testing

## Results and Progress

1. Completed PCB component placement
2. Did not finish routing. Need to speak with our advisor Lee Harker about re-netlisting design in order to complete the routing
3. USB implementation dropped. Will look into USART DB9 communication
4. Ran into some programming issues with the wireless transceiver. Will complete next week
5. Finished User Authentication and basic GUI

## Future Goals and Plans

1. Complete routing by next week
2. Enable USART DB9 communication
3. Get the wireless transceiver functioning
4. Begin Ethernet Code testing
5. Start coding PHP Socket programming for Web interface communication