

WaitLess Bus Tracking System DK-2 Group status email: Due 2009 March 11

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Current Status

- Finished PDR slides.
- We are continuing to fine tune the logic to write the correct LEDs based on GPS location.
- Wi-Fi module arrived without connector, waiting on connector to come in.
- Starting to write the code for the Wi-Fi module.

Task Status: Actions on last week's Action Items

1. Daniel is refining the logic in the code to run the LEDs.
 - Still implementing better logic.
2. Matt will try to rectify the memory issues we are having with the Arduino. Will possibly write a test program to simulate GPS Locations changing.
 - Correctly reading values from program memory now.
3. Josh will look into making the vinyl sticker at Kinko's by buying our own vinyl sticker paper, since Kinko's doesn't carry the size we need.
 - Sticker is now complete and on case. Found bracket for the solar panel to mount to.
4. Chris will write code for the new wireless module, so when it arrives some code is ready to try out. In addition, he will make sure the connector is in by next week so we can use it.
 - Chris is ready to implement the code when we have the connector.

Planned Tasks: Action Items for the upcoming week

- Daniel will finish soldering a couple power conditioning capacitors to the PCB. Will start implementing logic to read in and save values from the wireless module.
- Matt will test the possible LED locations.
- Josh will finish making the brackets that will hold the PCB in the case.

- Chris will begin to write the logic to receive the XML feed so that the current GPS locations can be saved into arrays of integers, even though the data will come in 1 character at a time.
- All of us plan to meet Tuesdays and Thursdays, at 4:30 to work on the project.

Problems

The Wi-Fi module did not come with the connector as the website implied. We really need this connector soon so we can use the module!