

9/16/2012

Weekly Report 9/10 - 9/16

Group: 13-17

Advisor: Prof. Somani

Client: Josh Mandich/ Venture Lights

Accomplishments:

- Narrowed options for hardware and software.
- Decided on board to use.
- Decided that we will probably use a Tomcat server and JSF/Primefaces for web content.

Plan for the coming week:

- Continue individual research.
- Begin work on project plan.
- Check status of website.

Pending Issues:

- Clarify project requirements, such as who will be using the system, and what specific functionality is needed.

Individual Contributions:

- Eric: Researched boards, determined that Raspberry Pi looks like the best option due to power, versatility, and affordability.
- James: Determined that Java will work best on the client side, due to its easily integrated database framework. We need to decide on client-side application or a web app.
- Michael: Many cameras lack the required functionality, however Raspberry Pi will soon have an affordable 5MP camera that would work. Raspberry Pi also has a standard camera interface that could be used with other cameras.
- Intae: Still researching image processing and hardware.
- David: There is an open source OCR library for image processing called Tesseract that may work for license plate recognition. Some other work would have to be done on the image before it can be OCR'd. One option would be to do some image processing immediately after capturing the image, and send it to another box that would OCR it.