**EARL: Egg Alert and Real-Time Logistics**

Weekly Progress Status: 1/18/2012 - 1/24/2012

Group Member Role Progress Description Time Alloted (hrs)

**Matthew Rasler** *Project Manager* Group Meeting 2 hours

Designed and implemented weekly progress

reporting communication tool 1 hour

*Web Development Team Lead*

Researched and implemented communication mechanism to communicate securely from

primary application to web application 6 hours

**Sunyoung Park** *Group Member* Download Cmap 1hr PMBok 1hr BaseCamp 1hr PMBok Chapter4 1hr Download Visual 1hr Download Msproject 1hr Download Visio 1hr

**Mark Parker** *Design Engineer* Review SRS, Architecture for updates. 1hr

PMBOK KAs 2-5 3 hr

**Andrew Habegger**

*Software Developer*

Debugged serial communication issues, implemented jam detection algorithm, refined

user interface 6 hr

PMBOK KAs 1-2 1.5 hr

**Eun Young Shin** *Group Member* Complete Student Evaluation 1hr Setup Cmap, Basecamp 3hrs Setup Acclaro 1hr Setup Visio, MS Project, Visual Studio 2hrs Read & Summarize Chapter4 4hrs

**TASKS FOR THIS SEMESTER:**

-Primary Application: Software

--Refine Jam Detection Logic. We've abandoned RANSAC and are now going with an algorithm supplied by the client.(2/1/12)

--The GUI needs refined.(2/1/12)

---Configuration tab radio buttons need replaced with stylized list view.(2/1/12)

---QTimer needs replaced with event-driven signals/slots. Polling is making the GUI lag. (2/1/12)

--Needs to serialize egg counts.(2/1/12)

start time, application end time (for opening and closing the app))

--Hamming codes to detect/correct communication errors.

-Primary Application: Firmware

--Write pbasic program to use dedicated serout/serin pins to bypass UART.

--Hamming code receiving/transmission

-Hardware

--Ruled out 422 line. Using 485.

--Test 486 through a dedicated serout and serin pin to bypass the UART.

--Install ADAM serial converters.

-web Development 1: Business Site

--To be developed further.

--Matt and Mark researching application-to-web page connectivity.

-Web Development 2: Group Site

--This will be a web version of our CMap, but more visually appealing.

--Incorporates a Content Management Solution (CMS): Orchard.

**TASKS FOR THIS WEEK:**

**-Eun Young**

--Update the group cmap. It needs to be more streamlined.(2/1/12)

---Make each RUP Phase a separate CMap.(2/1/12)

**-Matt**

--Give Sunyoung cmap stuff.(1/25/12)

--Email Eun Young web access (group cmap). (1/25/12)

--Get familiar with HTTP Posts from Qt. (2/1/12)

**-Sunyoung**

-will research the Orchard Content Management System.(2/1/12)

-Create an initial version of the group website with Orchard.(2/1/12)

**-Mark**

--Send these notes to Prof. Tanik.(1/25/12)

--Get familiar with Qt and HTTP Posts.(2/1/12)

--Learn PHP basics.(2/1/12)

**-Andrew**

--Refine Jam Detection Logic, using algorithm supplied by the client.(2/1/12)

--Refine The GUI.

---Configuration tab radio buttons need replaced with stylized list view.(2/1/12)

---QTimer needs replaced with event-driven signals/slots. Polling is making the GUI lag.(2/1/12)

--Implement serialized egg counts.(2/1/12).