***Software Engineering***

***Group 1***

***Team Log 3***

***October 1st , 2014***

**Team Leader:** Dakota Pollitt

**Members in Attendance:**

Dakota Pollitt

Edward Carter

Jun He

Matthew Ng

Zhentao Zhong

Daniel Bittner

**Time(s) and Location(s):**

Robinson Hall, Advanced Lab Room 303 October 1st , 2014 1:00pm

**Current Week Accomplishments:**

This week we finished up the soft copy of our Software Requirements Specifications document. We all have a solid idea now of how the product should work, however there are still a few technical kinks that will need to be worked out as we proceed. Specifically Data/Communications. Heath has been asked to look into the topic and return any information he thinks we may find useful. He was also included in our shared documents folder. We had a meeting with the Engineering team to clarify our team’s role on the rover.

**Goals:**

* Complete the soft copy of the SRS document

**Individual Assessment:**

**Daniel Bittner:** I attended the meeting with the Engineers where we clarified what our team’s responsibilities were in regards to the rover and discussed what hardware should potentially be used on the rover. Our team worked together to complete our first draft of our Software Requirements Specifications where everyone handled a little bit of each section. I think that we have a good idea of what need to start working towards.

**Edward Carter:** I was unable to meet with the Engineers this week, but was filled in at our weekly team meeting. This input was used in the creation of our Software Requirements document. I specifically worked on functional requirements, training, software requirements, and future changes portions of the document. After doing so, I continued to work with everyone else on other pieces of the document. The team did a great job working together to complete the document as quickly as possible.

**Jun He:** I was working on the Prototype this week. I was using HTML, Javascript and CSS to create a simulation environment. In the html page, it display a GUI, a Robot, and two controllers. Robot will represent actions with the activities in controllers. Other member was trying to work on documentations. Rough prototype and documentations completed in a very fast time.

**Matthew Ng**: We finished the SRS document today. Jun showed us the prototype he worked with while the rest of the team filled in the document. We worked diligently and end the end we were able to complete the document on time. We also filled in the team members who were unable to attend the meeting on Monday with the Engineering team.

**Dakota Pollitt:** I continued working on a number of sections within the SRS document. As the document neared completion, I began reading through it and editing it for consistency with our Glossary. I spoke with Heath about where our project currently stands and asked for his assistance in regards to Data/Communications. I shared our drive file with him as well, and will add him to the larger groups Dropbox when I return home.

**Zhentao Zhong**: I wasn’t able to meet with the engineer team on Monday, because I had class till 9 PM. However, the engineer team put the meeting notes in the drop box. The only thing I did this week was work on the rough draft for the requirement. I wasn’t able to work on much of the rough draft, but I added a good amount of stuff on the draft after it was edited by everyone. And I was also attended at the NASA JPL presentation, the speaker talked about the design and features of Curiosity on the Mars. The presentation gave me a good amount of information we need to design our software.

**Current Project Status:**

The first draft for the project Requirements document is completed. Meetings have been conducted to decide what else needs to be added as time goes on.

**Schedule for the coming week:**

* Finalize our sections for the complete NASA Rover Proposal which will be used in order to make our team’s entry into the NASA Rover Competition.
* Research communication over the 4G network.
* Research viable means for data communications from the Rover to the Command PC
* Determine appropriate hardware choices for streaming of multiple video sources
* Determine maximum number of possible active streams
* Finish the hard copy of the SRS document

**Direction:**

We need to learn how to build a networking setup that can be used in order to remotely communicate between the Command PC and the Rover PC in order to issue commands to the rover and receive video feed from it.