

Team 20
Lab number 6
Management Report
April 7th, 2013
Version 1.0

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By signing below, each group member approves of this document and contributed fairly to its completion.

Raymond Tang, Andrew McMillion, Archit Rupakhetee, Tyler Lenig

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On our honors, as students of the University of Virginia, we have
neither given nor received unauthorized aid on this assignment.

Raymond Tang, Andrew McMillion, Archit Rupakhetee, Tyler Lenig

Contents

Management Responsibilities	5
Group Member Contributions	6
Weekly Meeting Report	7
Meeting #1	7
Meeting #2	7
Meeting #3	8
Upcoming Schedule	9
Unresolved Issues	10



Management Responsibilities

Scheduling and task assignment and was undertaken by Tyler Lenig.

Configuration management and file system control was undertaken by Archit Rupakhetee, Andrew McMillion and Raymond Tang.

Document preparation was undertaken by every member of our group.

Presentation preparation was undertaken by every member of our group.

Web site development was undertaken by Raymond Tang.

The main point of contact with the other team was Tyler Lenig.

Group Member Contributions

With regards to the deliverables for post-lab 6 and the source code for pre-lab 7, each member contributed in the following fashions:

Archit Rupakhetee and Raymond Tang compiled the milestones, schedule and prototype goals.

Archit Rupakhetee ensured that the proper commands were sent when a given key was pressed.

Raymond Tang compiled the checksum function for the communication commands.

Tyler Lenig compiled the management report, ensured that the connection to the robot was possible and worked on compiling every section of our code into one cohesive unit.

Andrew McMillion work extensively on creating and refining the GUI



Weekly Meeting Report

Meeting #1

Attendees:

Raymond Tang, Tyler Lenig, Andrew McMillion, Archit Rupakhetee

Location:

Rice Hall on April 1st at 4:45 PM

Agenda:

Compile a schedule for the upcoming week

Complete the deliverables for post-lab 6

Results:

This meeting was our first of the week and is becoming our regular scheduling meeting. In addition to developing a schedule for the week, we used this meeting to complete the design documentation, including an overview of the functionality of our prototype and the schedule/milestones that go along with it. We also refined our code for our prototype.

Meeting #2

Attendees:

Raymond Tang, Andrew McMillion, Archit Rupakhetee, Tyler Lenig and Group 19

Location:

Rice Hall on April 5th at 3:30 PM

Agenda:

Complete Integration Test with Partner Team

Discuss various aspects of the system to incorporate

Results:

This meeting was our second of the week and served as the joint meeting with our partner group to complete the integration testing of our system. We were able to successfully test basic movement (i.e. moving the robot forward continuously) and advanced movement (i.e. being able to move the robot when a key is pressed and stop it when it is released). We were also able to discuss various functionality of our system including breakpoints for the debugging system.

Meeting #3

Attendees:

Archit Rupakhetee, Raymond Tang, Andrew McMillion, Tyler Lenig and Group 19

Location:

Rice Hall on April 7th at 4 PM

Agenda:

Complete the required program code for pre-lab 7

Results:

This last meeting of the week was the most labor intensive for our group. We used this meeting to ensure that our system will achieve the desired in-lab goals. We collaborated on every aspect of the system and did extensive testing using our test client to ensure that the desired goals were met.

Upcoming Schedule

Ensure all documents are completed with proper formatting and key sections included

This task will be completed by each group member by April 7th.

Ensure all documents are added to the Github repository.

This task will be completed by Tyler Lenig by April 7th.

Ensure all documents are placed in an easily accessible way on the website.

This task will be completed by Raymond Tang by April 8th.

Along with these concrete tasks to complete, we will also hold our regular meeting on Monday, April 8th, and begin to understand the requirements for post-lab 7 as well as set up a schedule that works for everyone for the upcoming week. We will continue to refine our code for delivery throughout the week to ensure that the final product pleases the customer. We will also continue to refine our process to make our way to higher levels in the CMM.

Unresolved Issues

The main issues we are having right now have to do with our enhanced prototype. This lab is one of the most important of the semester and requires a great deal of care when completing it. We had a variety of issues these last two weeks, mainly with integration testing. Integrating our system with our partner group's system is a very challenging task. In order to overcome this issue, we will continue to conduct integration tests to make sure that our system will work as specified.

We also were unable to fully test our telemetry data before the lab this week which was quite nerve-racking. We will complete this test this week to ensure that our telemetry data works as specified.

Cool features were another area that we struggled with. We need to hold an outside session to brainstorm ideas to give our design interesting and innovative features that will separate ours from other groups.