CprE 491 Weekly Report **|** DEC15-08 **|** Report #4 (2/16/2015)

Advisor: Hung Nguyen
Project Name: Manufacturing Software Support Reprogram
Client: VanGorp Corporation (Evan Zepp)
Members and roles in group:
Austin Benson – Team Leader
Nick Cervantes – Team Communication Leaders
Sean Finn – Key concept Holder
Evan Kroeger – Team Webmaster
Matt Petron – Key concept Holder

Weekly Summary

The goal of this week was to physically meet with VanGorp, and clarify the project scope and requirements. We also were able to tour their factory in order to get a better understanding of the use, terminology and output of the program we are going to be working with.

Meeting Notes

2/12/2014 – Meeting With VanGorp and Factory Tour

Rod Blunck - Information Systems Manager
Joe Canfield - President

Introductions

Company produces many different pulleys
- Each type has different measurements they need
- This system helps determine what size, shape, etc. to use for the different materials based on information about the pulley

Current System Walk Through
- GUI is a text interface with a numbered list for the different options
- Only part that is really used anymore is pulley print
    o many fields are not really needed anymore
- Used to be used to print out the work order for the floor
    o now just used to get the calculations to put into another program
- All calculations done using Engineering Standards
    o standards produced by Van Gorp
    o all are ISO certified
- Along with measurements, tells what machine to use
- Everything is in engineering tables
    o currently in word documents
- Process was started by putting in a product number
    o can put in longer product numbers to have some areas auto-filed

New System
- Want the ability to update these standards used in the program easily

- Want ability to add items/options to the lists provided
- Should have built in error checking
- Don't need to store configurations
- Will only have 3-4 users

Exact MacolaEX
- System that is used for pretty much everything else in the company
- Stores work orders, payroll, parts, etc.
- Uses SQL tables
- The information produced by our system will be put into this system
  - (potential to link our system to this one?)

Example Custom Request
- Customer calls in with a request
- If is a standard or if already in system
  - nothing
- If not standard/in system
  - This "pulley print" system is used to get the measurements
  - Quotes are made for the customer
  - part is added to the MacolaEX system
- Order is sent to work floor

What we need:
- Prioritized list of functionalities wanted in system
- list of all annotations used in the system
- Code files

What we need to do
- Start design process
  - determine what coding languages will work best
  - mock ups
- Once code is received, look through

Facility Tour

Pending Issues

We are now waiting to get the codebase from VanGorp, as well as waiting for a list of outdated / deprecated functions in the program. Also, we need to complete the Project Plan.

Plans For Next Week

Receive the code and import it into the repository. Also, we will finish our Project Plan.

Individual Contributions (This Week)

Austin Benson – Contacted Evan Zepp and Rod Blunck to determine NDA requirements. Visited Pella, IA to discuss project and tour factory. (3 hr)
Nick Cervantes – Began presentation on language options for project. Visited Pella, IA to discuss project and tour factory.

Sean Finn – Visited Pella, IA to discuss project and tour factory, typed meeting notes. Researched MancolaEX system currently being used at VanGorp. (3 hr)
Evan Kroeger – Continued web development. Visited Pella, IA to discuss project and tour factory. (3 hr)
Matt Petron – Visited Pella, IA to discuss project and tour factory. Assisted with language choice research and presentation. (3 hr)

Hours

Name	Hours Worked Before This Week	Hours Worked This Week	Total Hours Worked
Austin Benson	8	3	11
Nick Cervantes	8	3	11
Sean Finn	8	3	11
Evan Kroeger	8	3	11
Matt Petron	8	3	11
Totals:	40	15	55