Status Report I

As of: December 10, 2014

Team:
Team Observatory

Project:
Observatory Scheduler

Members:
Jaime Acevedo – Scrum Master
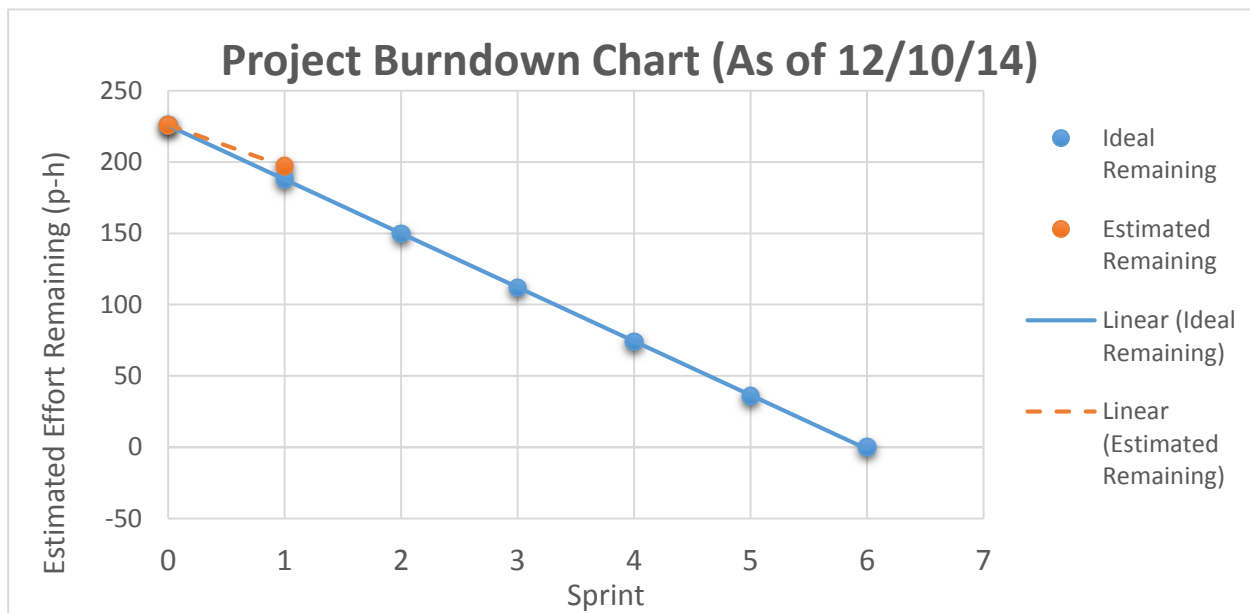Matthew Bunch – Customer Proxy
Ryan Sharp – Quality Assessment Manager

Person-Hours of Effort Remaining:
There are 196 estimated person-hours of effort remaining in the product backlog. There are zero hours remaining for our current sprint. Our team has performed one sprint thus far from November 3, 2014- November 16, 2014. Our team will officially resume sprints with the second sprint starting on January 12, 2015. However, the break will be used to configure the client's server and learn more about JSP and Bootstrap so we can be efficient in the spring.

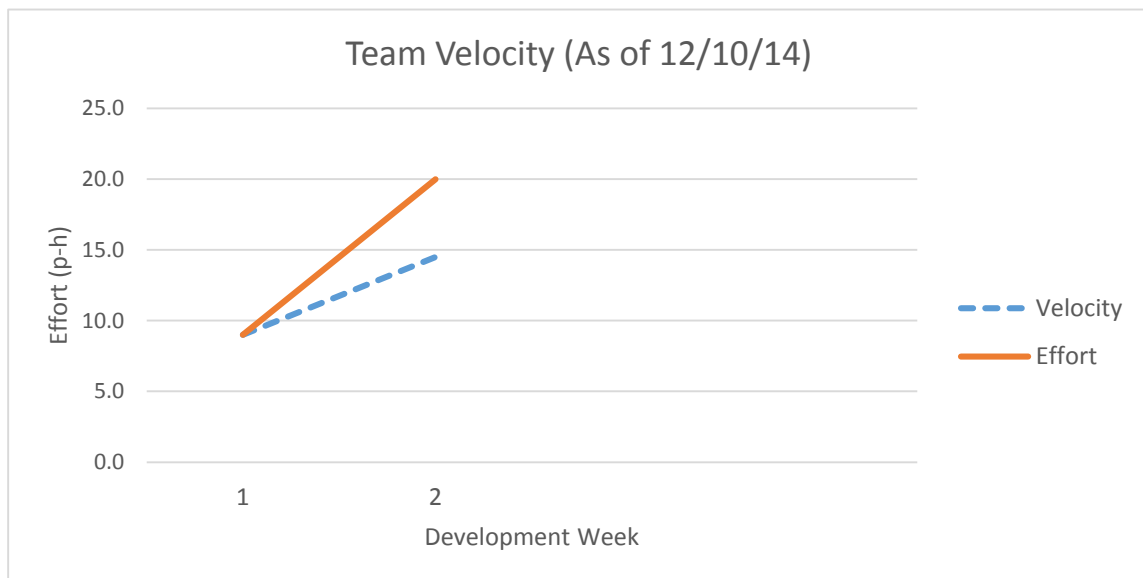## Below is a summary of our project charts as of December 10, 2014:

a. Project Burndown Chart
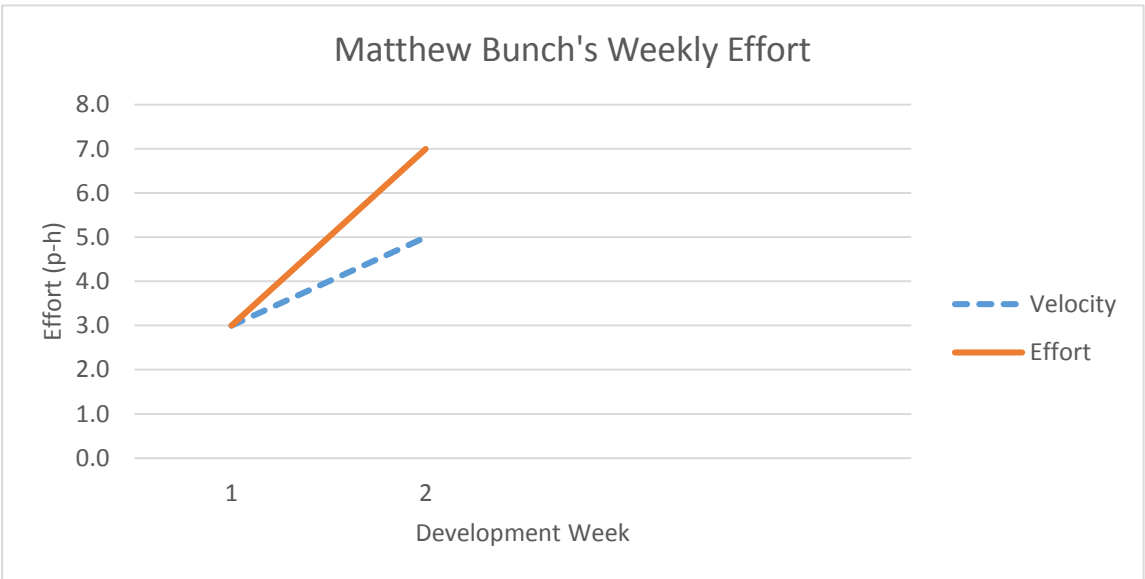
b. Team Effort Chart

Team Weekly Effort (As of 12/10/14)

c. Team Velocity Chart

Team Velocity (As of 12/10/14)
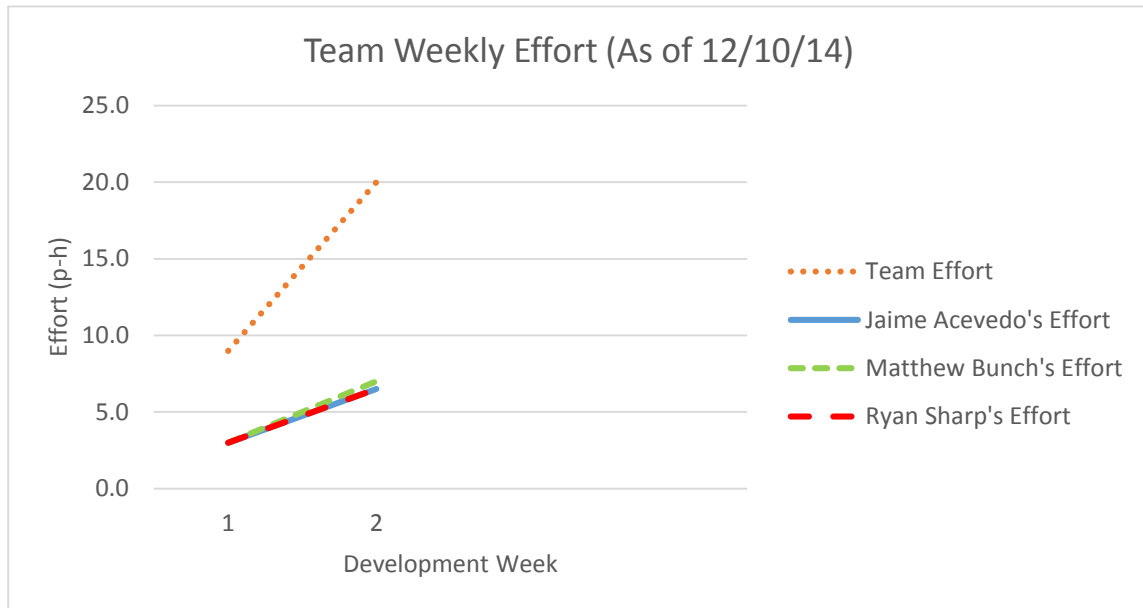
d. Team Member Effort Charts

Jaime Acevedo's Weekly Effort

Matthew Bunch's Weekly Effort

Ryan Sharp's Weekly Effort
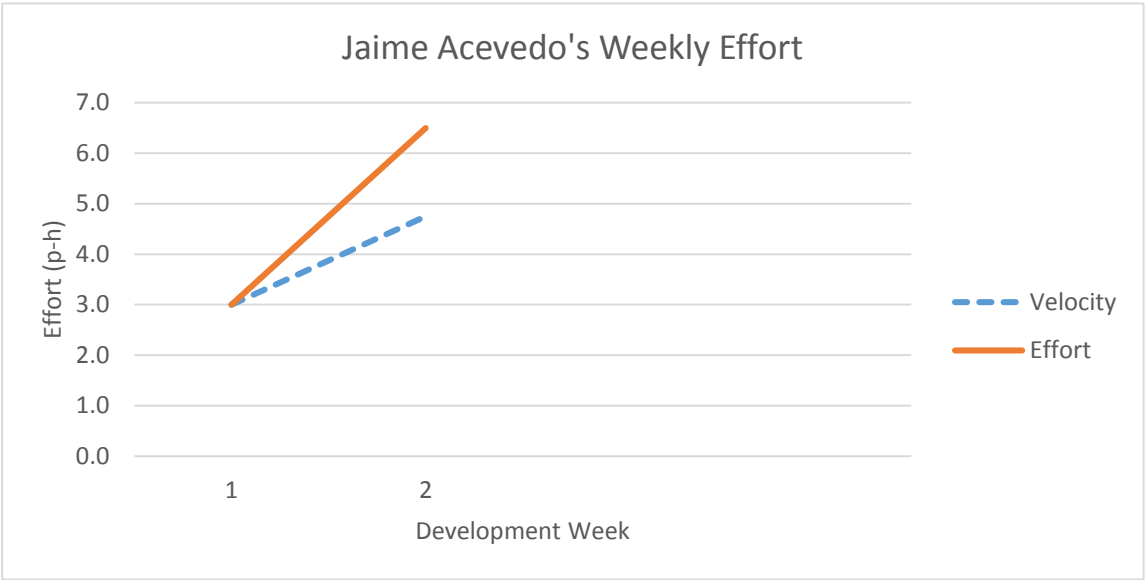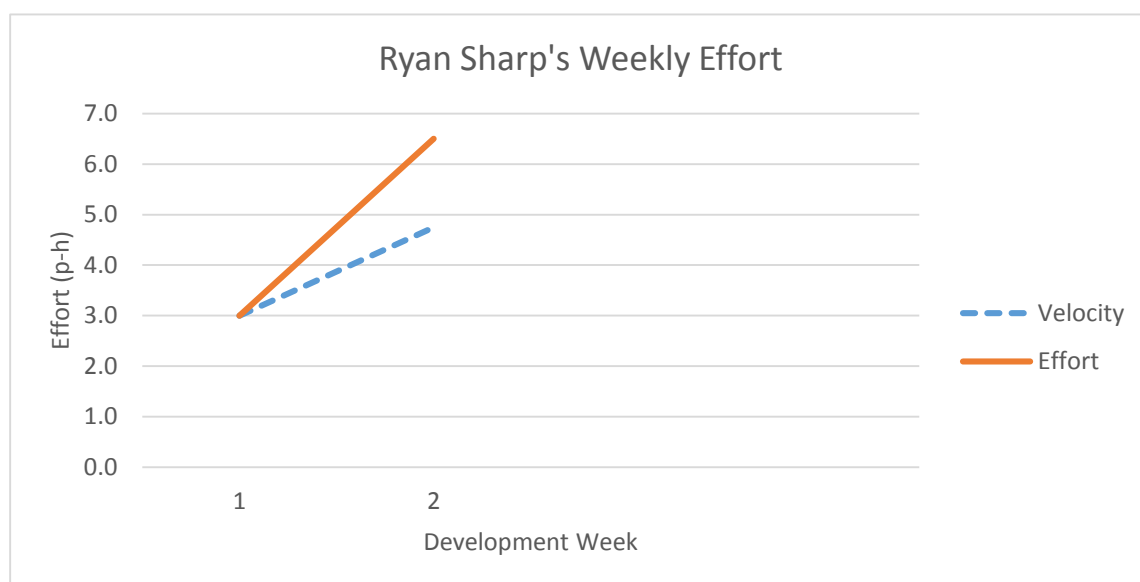
Summary of Person Hours
(Since Project Inception)

Jaime Acevedo	80
Matthew Bunch	95
Ryan Sharp	78
Team's Total	**253**

Project Summary (Since Last Status Report):

a. **The Number of Person Hours Worked for Each Team Member:**

Summary of Person Hours
(Since Last Status Report)

Jaime Acevedo	80
Matthew Bunch	95
Ryan Sharp	78

b. **Summary of Changes:**

Our team made some modifications to the Project Plan document. Below is a list of those changes and the justifications for them.

Project Plan Changes	Justification
Specified different IDE to be used	We decided to use Netbeans instead of Eclipse due to preference
Updated risk analysis	Changed some formatting and added some additional risks
Updated project Burndown Chart section	Changed to reflect new project estimates
Modified milestones	Changed to clarify milestones and sprints
Modified schedule	Changed to accommodate sprint schedule and fix some dates that were incorrect

c. **Work Accomplished:**

The table below summarizes work that was accomplished during the course in the form of deliverables.

Work Produced	Produced By
Project Specification	All Team Members
Project Plan	All Team Members
Project Prototype / Core Component	All Team Members
Team Presentation Slides	All Team Members
Client Meeting Notes	Matthew Bunch
Engineering Notebook Notes	Individual Team Members
Code for File Writing (See "Code" Folder) • **CreateXML.jsp** • **authenticate.jsp** • **Reservation.java**	Jaime Acevedo, Edited by Matthew Bunch and Ryan Sharp
Database and Tables (See "Code" Folder) • **Transport.jsp** • **Observatory.sql**	Matthew Bunch, Edited by Jaime Acevedo and Ryan Sharp
Interface Web Pages (See "Code" Folder) • **index.html** • **login.html** • **Proposal.html** • **home.jsp**	Ryan Sharp, Edited by Jaime Acevedo and Matthew Bunch
Status Report I	Matthew Bunch
CS 425 Post-Mortem	Jaime Acevedo, Edited by Matthew Bunch
Project Plan, Revision 2	Edited by Matthew Bunch and Ryan Sharp

d. **Tangible Work Produced:**

See part c for details.

e. Major Risks:

We have identified several risks that pose a significant threat to the project at this time. Listed with them are our solutions to mitigate them.

Risk	Mitigation
No feedback from telescope • Since the observatory is still under development and the automation software is not yet configured properly, there is a large chance we may not get feedback from the telecope.	We will discuss with the client the progress of his automation software. Alternative solutions to the email notification system will be shared and a strategy will be made. There really isn't a simple way to mitigate this risk so we will implement our scheduler independent of feedback. The only portion of our project actually reliant on some type of feedback is the email alert system and we have estimated the time to implement this component to be low.
Feature Creep • Our client may change his mind about the application gap, manually transferring files from server to server, and require a full automation between servers.	To account for the possibility we have planned to shorten the total amount of sprints to six. After the sixth sprint we should be finished with the product by the end of March.
Learning JSP • The framework and platforms we are using to develop our software are new to all of us. It will take some time to become proficient with Java ServerPages and Bootstrap	JSP is essentially just Java. There is a small learning curve for us. Since we all know Java well, it shouldn't take too long to become proficient with JSP. We will use the winter break to become proficient with both JSP and Bootstrap.

Upcoming Major "To Do" Items (Milestones)

Note: It is difficult to predict, at this time, when the next anticipated status report will be due. In this case we will list milestones that are likely to be reached by early next semester, starting with the most eminent.

"To Do"	Approximate Time Frame
Update our client with the project's status after the conclusion of CS425, and discuss the work to be done in upcoming sprints	After conclusion of Fall Semester 2014
Configure client's office server to host our scheduler's database, software, and any resources required for these items	Winter Break (December 15, 2014 – January 11, 2015)
Become proficient with JSP and Bootstrap	Winter Break (December 15, 2014 – January 11, 2015)
Complete Sprint 2 – visual queue interface	Early Spring 2015 Semester
Update backlogs and team charts	Conclusion of Sprint 2
Complete Sprint 3 – admin and student interfaces/account system	Early Spring 2015 Semester (following Sprint 2)

Team's Consensus of Project Status

We believe our project is on the right track to have a successful product. Originally, the second sprint was set to occur this semester but because of time constraints (not having a full two week work-period after Sprint I) we decided to schedule it at the beginning of next semester. We have revised our project plan to accommodate the new sprint schedule and some changes in milestones since the first revision.

Our backlog for Sprint I was focused on tasks to complete a core component of the final product as an exit strategy for CS425. Currently we have the code for generating the required files that are to be read by the observatory automation software, the database and tables we will use for scheduling, and some very (very) simple interfaces created. It is important to note that our exit strategy, as defined in our project plan, is set to include the creation of our database and file generation code. The interface portions are extra content from our team efforts and an attempt to become more familiar with Bootstrap and JSP. While not particularly useful right now, it should give us a better idea of where to begin when we address creating the actual interfaces in later sprints (Starting in Sprint II).

Our Sprint I backlog estimated a total of 30 person-hours to complete the user stories listed. We ended up with a total of 29 person-hours to complete the required tasks, which seems we made a good estimate. Our project Burndown Chart has an average expectation of around 38 person-hours per sprint to finish the project on schedule. Our Sprint II backlog has 50 person-hours expected to spend on the tasks for the second sprint. Therefore, once Sprint II has been completed, we should see that our team is right on schedule for time. The tasks in Sprint II will also account for a major portion of the project.

Our team is confident that we will have a working product that meets the client's needs and is achievable within the given time frame. We have six sprints scheduled to complete the final product. Since the sprints are two-weeks in length, our team should be finishing up the product in mid-to-late March of 2015. This will give us time to have a full review with the client and accommodate any additional requests he may have. It is important to note that the client is expecting the scheduling software with the manual file transfer process as discussed in the Project Plan and Project Specification. He has been a major source of guidance and consequently is routinely informed of our project's progression. Our team will work diligently to fulfill the requirements set at this time. He has been adamant about manual file transfer, so we will proceed with that in mind.

Criteria: Process Execution	Team Self-Evaluation: Exemplary
Justification • Our team has followed the SAGE process as defined • We have the documents formally specified (specification and plan) as well as those not formally specified (burndown chart, effort and velocity charts, backlogs, client notes, etc.) • Client is routinely informed by our customer proxy and knows what to expect	
Criteria: Self-Management	Team Self-Evaluation: Exemplary
Justification • Our team has invested much time formulating a solid and detailed plan • Minor changes have been made to the plan to better accommodate the course schedule and to detail information we did not know at the time • We are not aware of any negative impacts	
Criteria: Client Requirements	Team Self-Evaluation: Competent
Justification • Since we have only completed one sprint this may be difficult to fully determine • The client seemed impressed with the plans and progress made so far • There is still the chance that the client may opt for full automation with the scheduling software later in the project	
Criteria: Software Engineering	Team Self-Evaluation: Competent
Justification • Project development is running smoothly so far • Requirements and design documents are current and being used in our sprints • May need to focus a little more on quality control once more of the product has been developed	
Criteria: Communication	Team Self-Evaluation: Competent
Justification • Team communicates often and in detail • May need to make communication and meeting a little more formal • Presentations and documents meet standards and are professional looking • Important meeting notes and ideas are recorded individually in engineering notebooks	

Team Self-Evaluation

Below are the signatures of all team members. By signing they concur that they have read and agree with everything that is provided within this status report.

Reviewed and Approved By:

Name   Signature   Date

_____   _____

_____   _____

_____   _____