|  |  |
| --- | --- |
| Status Report | SR01 |
| Concrete Drying Application Team | 12/9/2014 |

Status report of the Concrete Drying Application Team at the end of the first semester. This status report was completed directly after the end of sprint two. Below is the person-hour information for each individual and the team as a whole.

|  |  |
| --- | --- |
| **Summary of Remaining Person Hours** | |
| Person-hours Remaining this Sprint: | 0 |
| Person-hours Remaining: | 148 |

|  |  |
| --- | --- |
| **Summary of Person-Hours Worked** | |
| Bryan: | 15.8 |
| Dan: | 30 |
| Zach: | 2 |
| Team: | 47.8 |

Following the person-hour information is the product burndown chart along with team and individual effort and velocity charts.

**Product Burndown Chart**

**Team Effort and Velocity Chart**

**Bryan Effort and Velocity Chart**

**Dan Effort and Velocity Chart**

**Zach Effort and Velocity Chart**

**What Have We Accomplished?**

|  |  |
| --- | --- |
| **Person-Hours Worked Since Last SR** | |
| Bryan: | 15.8 |
| Dan: | 30 |
| Zach: | 2 |
| Team: | 47.8 |

We have had one major project requirement change and that was the change from developing a mobile application for iPad to a web based application that works on all devices. The requirement change was made by our customer, and it was so that the software could be used at the office and not just at the work site.

**Work accomplished from sprints one and two:**

* Sprint 1
  + Research Web Services and API’s – Team
  + Pull weather data from NOAA – Bryan
  + Parse weather data – Bryan
  + Create function to calculate evaporation – Zach
  + Display Graph – Daniel
* Sprint 2
  + Wrote Essay for Client for a Competition they were interested in - Zach
  + Add colors to graph background - Daniel
  + Add option for inputting concrete temp - Bryan
  + Show weather variables when hovering over a point and add metric conversions - Daniel
  + Improve input and output UI - Bryan
  + Validation of zip code - Bryan

**List of tangible work accomplished:**

* Documents
  + Process Specification
  + Process Plan
  + Product Backlog
  + Product Burndown
  + Product Effort and Velocity
  + Risk Table
  + Sprint 1 Input and Output
  + Sprint 2 Input and Output
  + Sprint 3 Input
  + Team Post-Mortem Report
* Diagrams
  + Agile Use Cases
  + ER Diagram
  + High Level Architecture
  + Class Diagram
* Code
  + MyMain.php – core component
  + Login.html – a dummy login screen
* Site
  + http://bryalle.duckdns.org

**Risks and Mitigation / Management Strategies:**

|  |  |
| --- | --- |
| **Risk** | **Mitigation / Management Strategy** |
| No prior security knowledge | Research account and email security before implementing these parts |
| Website is not user friendly | Perform a usability study |
| Failure to meet deadlines | Spacing our milestones out so that we have enough time to complete them and meet once a week to make sure everyone is on track |
| Customer adds requirements | Get all the requirements beforehand and add them to the process spec |
| Cannot get SIUE email | Currently working with ITS |
| Host server goes down | We plan to use a backup server if this happens |
| NOAA permanently goes offline | Write code with low coupling so that it is easily able to use another weather API |
| Project data gets lost | Store on our local computers in addition to using Bitbucket |
| Lose a team member | Follow SAGE process |

**What’s Next?**

The next thing that our team plans to do is to start designing the database that will contain the account and notifications for the application. The account implementation will follow after the database is complete. After the account system is implemented we will next added the notification aspect to the accounts. The idea behind this is that we build the next part of the application in step to simplify the process.

**Are We On Schedule?**

We believe as a team that the project is on task and that it can be completed by the end of CS499. As of right now we have stayed on schedule. As seen in the project and sprint burdown documents so far, we have completed everything that we wanted to in each sprint if not more. We have been able to accomplish added requirements in each sprints timeframe as well. We may have only completed two of our twelve sprints, but this is due to the fact that most of this semester was spent preparing and designing. We predict there will be no problems finishing these ten sprints during CS499.

**Self-Evaluation**

|  |  |
| --- | --- |
| **Criteria:** Process Execution | **Team Self-Evaluation:** Competent |
| **Justification**   * We followed the defined process all of the time. * All the documents specified by the process where created and are on our repository. * Our client has been is well-informed of the project at the conclusion of every sprint. | |
| **Criteria:** Self-Management | **Team Self-Evaluation:** Competent |
| **Justification**   * We followed the predefined plan all of the time. * We put forth all the effort we can to ensure that project will be completed at the end of the CS499 semesters. * Changes to the plan are made without negative impact and with certainty of some improvement. | |
| **Criteria:** Client Requirements | **Team Self-Evaluation:** Exemplary |
| **Justification**   * Our client is very happy with the progress we have made so far. * Our client has said nothing but good things about the work we have done so far. * All of are risks have been identified, and all have been mitigated or are in the process of being mitigated. * Our core component for the first semester is complete and only requires a few formatting changes. | |
| **Criteria:** Software Engineering | **Team Self-Evaluation:** Competent |
| **Justification**   * Everyone on the team has a good understanding of the design and has the ability to implement the design. * Everyone does the best they can and we strive to make the best we can. | |
| **Criteria:** Communication | **Team Self-Evaluation:** Competent |
| **Justification**   * We have had no communication issues that have affected the project. * Our approach is known by all team members. * Our Presentation and documents meet all standards and look professional. * We all feel comfortable presenting in front of others. * All our information is available to each team member and other people. | |

|  |  |
| --- | --- |
| Signatures of Team Members | |
| Bryan Allen | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Daniel Grote | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Zach Smith | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |