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| Status Report | SR03 |
| Concrete Concepts | 3/23/2015 |

Status report of the Concrete Concepts team at the beginning of the second semester. This status report was completed midway through between sprint 5. Below is the person-hour information for each individual and the team as a whole.

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| **Summary of Remaining Person Hours** | |
| Person-hours Remaining this Sprint: | 0 |
| Person-hours Remaining in Product Backlog: | 91 |

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

4) Since the project inception in CS425 and up to the date of the status report, provide:

a. The summary number of person-hours worked for each team member, and

b. The total of the number person-hours worked for the entire team.

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| **Summary of Total Person-Hours Worked Since Beginning** | |
| Bryan: |  |
| Dan: |  |
| Zach: |  |
| Team: |  |

**5. Provide the following content as it pertains to the time since the last status report:**

**a) The number of person-hours worked for each team member.**

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| **Person-Hours Worked Since Last SR** | | | |
|  | **Before Sprint 4** | **Sprint 4** | **Sprint 5** |
| Bryan: |  |  |  |
| Dan: |  |  |  |
| Zach: |  |  |  |
| Team: |  |  |  |

**b) A summary of any major process, plan, or project requirement changes along with justification for such a change. If none, so state.**

* Requirement Changes
  + Instead of changing concrete temperature/wind speed for a point on the graph the client wants it to change it for the whole graph. These changes would show up as a new series. Each series should look different
    - Justification: Makes application more simple & easy to use
  + Can no longer enter in a wind speed. Its either Inside or Outside
    - Justification: More applicable to the real world
  + Predicting concrete Temperature
    - Justification: Client didn’t want to enter concrete temperature
  + Add legend
    - Justification: Since there can be multiple series a legend is needed to distinguish the different series.
  + Tooltips on buttons
    - Justification: Client wants a description of what each button does on the graph page
* Plan Changes
  + ADD
* Process Changes
  + ??

**c) Bullet detail on what work was accomplished and who accomplished the work**

NOTE: EXPLAIN THE BIG BREAK BETWEEN SPRINT 3-4 AND WHAT WE DID/WHY (PUT THIS IN THE SECTION C Under Plan changes)

* **Before Sprint 4**
  + Fixed test plan based on feedback and turned it back in - Everyone
  + Performance improvements to loading graph – Bryan & Daniel
    - Changed graphfunctions class from PHP to a JavaScript file
  + Code Reviews/Walkthroughs – Everyone
  + Server paperwork/meetings with ITS - Everyone
  + Researched web services for getting past temperatures for a zip code for each day/time – Daniel & Bryan
  + Made a prototype of the above bullet – Bryan
  + GUI Design of all pages – Bryan & Daniel
  + Updated/Improved System Architecture – Bryan & Daniel
  + Updated UML Diagram – Came up with all the methods that the database classes needed to have – Bryan & Daniel
  + Updated ER Diagram – Made improvements to database design / Database Normalization / Added shared projects to design / Added weather data for a zip code to the design so it can be reused without having to access NOAA again – Bryan & Daniel
    - User Table
    - Project Table
    - Project Lookup Table
    - ChangeInStateNotificaiton Table
    - FutureNotificaiton Table
    - WeatherData Table
  + Fixed status report based on feedback – Bryan & Daniel
  + ANYTHING ELSE??
* **Sprint 4**
  + Added time zones – Bryan & Daniel
  + Can now get weather predictions for Hawaii, Alaska, and Guam - Bryan
  + Change a concrete temperature for a point correctly in metric - Daniel
  + Change wind speed for a point in metric and standard - Daniel
  + Get city, state, and time zone of a zip code – Bryan & Daniel
  + Full Date on Tooltip – Daniel
  + Validation of user input when changing a concrete temperature/ wind speed for a point in the graph in metric and standard - Daniel
  + Concrete temp prediction formula - Bryan
  + Hot/Cold concrete temperature warnings – Daniel
  + Fixed resizing bug where the color of the points would change when resizing the window – Daniel
  + Fixed plot band title bug where the plot band title would appear in the wrong place - Daniel
  + Added rounding of weather data variables – Bryan & Daniel
  + Added correct metric/standard labels to weather data – Daniel
  + Added reset button that would reset the graph to the original predictions and would remove user changed concrete and wind speed points – Daniel
  + Add new series prototype. This was a prototype that we demoed to the client to see if instead of changing the original predictions when changing a points concrete temp/wind speed to instead create a new series so the original predictions are never changed - Daniel
  + Project page design – Bryan
  + Edit account design – Bryan
  + Completed log in functionality – Bryan
  + Other various design changes – Bryan
  + Finished user account table – Zach
  + Finished/Tested user account table functionality - Zach
    - Add user
    - Delete user
    - Change email
    - Change password
    - Change name
    - is user admin
  + ANYTHING ELSE
* **Sprint 5**
  + Researched testing tools for performance testing – Daniel
  + Researched adding ‘sticky notes’ – Daniel
  + Research zip code database - Daniel
  + Server access/Installation – Everyone
  + Added grouped categories functionality to x axis labels – Daniel
  + Add legend – Daniel
  + Add series functionality with different colors/styles and validation of user input– Daniel
  + Dynamically assign height of graph –Bryan
  + Tooltips on Buttons – Daniel

**d) A listing of tangible work that has been produced (documents, code, etc.)**

* Documents
  + Sprint 4 Output
  + Sprint 5 input
  + Product Backlog
  + Product Burndown
  + Product Effort and Velocity
  + Project Plan
  + Test Plan
* Code
  + graphfunctions.js
  + forgot.php
  + projects.php
  + forgot.html Bryan add this stuff to what was added this sprint
  + about.html
  + login\_page.html
  + projectPanel.html
  + graph.html
  + navbar.html
  + enterzip.html
  + ADD MORE
* Site
  + http://bryalle.duckdns.org
    - Note: This is what we test on. Won’t necessarily work
  + <http://www.plasticcracks.siue.edu> NOT WORKING
    - Shouldn’t display anything

**e) A list of all current major risks, stating whether you mitigated them since the last status report or if you are currently managing them. Specify how it was mitigated or is being managed.**

**There is no major risks left**

Customer adds requirements risk - currently being managed. If a client adds a requirement and it’s not very important to the client/ or we don’t think we can finish the project if we add the requirement, then the added requirement will be added to the end of the project backlog so if we get done earlier than scheduled we can add it. The client will be informed of this and if the client wants to re-prioritize the requirements then all of the requirements will have to be reanalyzed and rescheduled.

Cannot get SIUE email risk was mitigated. This was mitigated by working with ITS and getting the SIUE e-mail.

**6) A list of upcoming major “to do” items (milestones) between now and the anticipated next status report. An “anticipated” report also includes the CS425/CS499 final presentation.**

* Integrate Database Tables and Application
  + User table
  + project table
  + project lookup table
  + project series lookup table
  + change in state notification
  + weatherData table
* GUI design
* Check Notification functionality
* Email functionality
* System Testing
  + Performance Testing
  + Compatibility testing
  + Recovery testing
  + Concurrent testing
  + Conformance testing
* Beta Release
* User manuals
* Team Poster
* Web usage stats for admin
* Delivery to Client; Acceptance Testing
* Final Presentation

**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 burndown 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 did underestimate the hours required for some tasks, which is why it seems like we are “overburning” in our product burndown chart.

**Self-Evaluation**

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| **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 semester. * Changes to the plan are made without negative impact and with certainty of some improvement. * Documentation has been maintained over sprints. | |
| **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. * Look into client suggestions and if reasonable add the functionality | |
| **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**   * 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. * Need to improve weekend communication | |

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