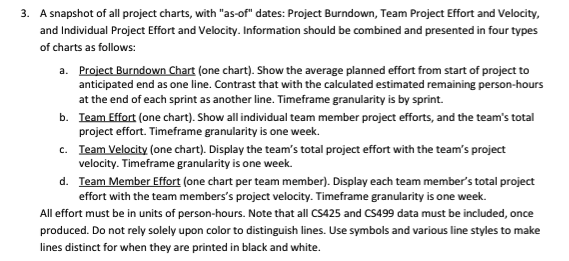
|  |  |
| --- | --- |
| Status Report | SR03 |
| Concrete Concepts | 3/23/2015 |

Status report of the Concrete Concepts team which was completed midway through sprint 5. Below is the person-hour information for each individual and the team as a whole.

**2) State the estimated person-hours of effort remaining in the product backlog and in the current sprint at time of status report creation.**

|  |  |
| --- | --- |
| **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.

|  |  |
| --- | --- |
| **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.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Person-Hours Worked Since Last SR** | | | | |
|  | **Status report 3 up to Sprint 4** | **Sprint 4** | **Half of sprint 5** | **Total** |
| Bryan: |  | 21 1/2 | 6 |  |
| Dan: |  | 24 | 25 3/4 |  |
| Zach: |  | 8 | 13 1/2 |  |
| Team: |  | 53 1/2 | 45 1/4 |  |

**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 on the initial prediction. This makes the application easier to use.
  + 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
  + Added test anomaly repot to Sprint Output in accordance with our test plan.

**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 (NCDC <https://www.ncdc.noaa.gov/cdo-web/webservices>)– Bryan
    - pastw.php
  + 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
    - 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
* **Sprint 4**
  + Fixed time zone offsets – Bryan & Daniel
  + Can now get weather predictions for Hawaii, Alaska, Puerto Rico, 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
  + Page Design – Bryan
    - Project Page
    - Create Account Page
    - Edit Account Page
    - Forgot Password Page
    - About Page
    - navbar
    - Other various design changes
  + log in functionality – 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
* **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 & width 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
  + create.php
  + edit.php
  + projects.php
  + forgot.html
  + about.html
  + projectPanel.html
  + graph.html
  + login.html
  + navbar.html
  + enterzip.html
  + users.php
  + projects.php
  + weather.php
  + test.php
  + SQL create table statements
    - Account Database.txt
    - Users Table.txt
    - User Project Lookup Table.txt
    - Projects Table .txt
    - Weather Table.txt
* Site
  + http://bryalle.duckdns.org
    - Note: This is what we test on. Might not work correctly if we are in a sprint.

**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 product backlog. If we get done earlier then scheduled we can work on the requirement. 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 into Application
  + User table
  + project table
  + project lookup table
  + project series lookup table
  + change in state notification
  + weatherData table
* GUI design
* Check Notification functionality
  + Timer
* Email functionality
  + Forgot Password email
  + Account creation email
  + Change in state notification email
  + Future notification email
  + Shared Project email
* System Testing
  + Performance Testing
  + Compatibility testing
  + Recovery testing
  + Concurrent testing
  + Conformance testing
  + Security testing
* Beta Release
* User manuals
* Web usage stats for admin
* Delivery to Client; Acceptance Testing
* Final Presentation

**7. The team’s general consensus of the project status and capability to deliver the client a working product that meets the client’s needs. Specifically state whether the team believes that the product is achievable with the time remaining before the end of the CS499 semester. Justify the team's response using qualitative data from the project and sprint burndown, effort, and velocity charts.**

**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**

|  |  |
| --- | --- |
| **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. * We have made improvements on keeping our client up to date during sprints | |
| **Criteria:** Self-Management | **Team Self-Evaluation:** Competent |
| **Justification**   * We followed the predefined plan all of the time. * Based on our estimations we are sure that we will finish our product by the end of the CS499 semester. * Changes to the plan (database design and page designs) were made without negative impact to the schedule. * Documentation has been maintained over sprints. | |
| **Criteria:** Client Requirements | **Team Self-Evaluation:** Exemplary |
| **Justification**   * Our client has said nothing but good things about the work we have done so far. * We meet with our client after every sprint to demo what has been completed. * We email our client with any questions/suggestions as they arise * All of are risks have been identified, and all have been mitigated. * Research client suggestions and if reasonable add the functionality | |
| **Criteria:** Software Engineering | **Team Self-Evaluation:** Competent |
| **Justification**   * We have updated and improved our design diagrams (including the database schema, ER diagram, high level architecture) * We started using anomaly reports after each sprint in accordance with our test plan * We’ve stayed mostly on track for most of the semester | |
| **Criteria:** Communication | **Team Self-Evaluation:** Competent |
| **Justification**   * Our approach is known by all team members. * We all feel comfortable presenting in front of others. * We work together when communicating with outside contacts (ITS). * All our information is available to each team member and other people. * We improved our communication outside of school hours * We communicate with our client more often (during and between sprints) | |

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