**Product Burndown Chart**

**Product Burndown Log**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Work Date | Work Day | Ideal Time Remaining | Actual Tasks Remaining | Byran Completed | Daniel Completed | Zach Completed | Total Tasks Complete |
| 10/20/2014 | 0 | 107 |  |  |  |  |  |
| 10/21/2014 | 1 | 105 |  |  |  |  |  |
| 10/22/2014 | 2 | 103 |  |  |  |  |  |
| 10/23/2014 | 3 | 101 |  |  |  |  |  |
| 10/27/2014 | 4 | 99 |  |  |  |  |  |
| 10/28/2014 | 5 | 97 |  |  |  |  |  |
| 10/29/2014 | 6 | 95 |  |  |  |  |  |
| 10/30/2014 | 7 | 93 |  |  |  |  |  |
| 11/3/2014 | 8 | 91 |  |  |  |  |  |
| 11/4/2014 | 9 | 89 |  |  |  |  |  |
| 11/5/2014 | 10 | 87 |  |  |  |  |  |
| 11/6/2014 | 11 | 85 |  |  |  |  |  |
| 11/10/2014 | 12 | 83 |  |  |  |  |  |
| 11/11/2014 | 13 | 81 |  |  |  |  |  |
| 11/12/2014 | 14 | 79 |  |  |  |  |  |
| 11/13/2014 | 15 | 77 |  |  |  |  |  |
| 11/17/2014 | 16 | 75 |  |  |  |  |  |
| 11/18/2014 | 17 | 73 |  |  |  |  |  |
| 11/19/2014 | 18 | 71 |  |  |  |  |  |
| 11/20/2014 | 19 | 69 |  |  |  |  |  |
| 12/1/2014 | 20 | 67 |  |  |  |  |  |
| 12/2/2014 | 21 | 65 |  |  |  |  |  |
| 12/3/2014 | 22 | 63 |  |  |  |  |  |
| 12/4/2014 | 23 | 61 |  |  |  |  |  |
| 12/8/2014 | 24 | 59 |  |  |  |  |  |
| 12/9/2014 | 25 | 57 |  |  |  |  |  |
| 12/10/2014 | 26 | 55 |  |  |  |  |  |
| 12/11/2014 | 27 | 53 |  |  |  |  |  |
| 1/12/2015 | 28 | 51 |  |  |  |  |  |
| 1/13/2015 | 29 | 49 |  |  |  |  |  |
| 1/14/2015 | 30 | 47 |  |  |  |  |  |
| 1/15/2015 | 31 | 45 |  |  |  |  |  |
| 1/19/2015 | 32 | 43 |  |  |  |  |  |
| 1/20/2015 | 33 | 41 |  |  |  |  |  |
| 1/21/2015 | 34 | 39 |  |  |  |  |  |
| 1/22/2015 | 35 | 37 |  |  |  |  |  |
| 1/26/2015 | 36 | 35 |  |  |  |  |  |
| 1/27/2015 | 37 | 33 |  |  |  |  |  |
| 1/28/2015 | 38 | 31 |  |  |  |  |  |
| 1/29/2015 | 39 | 29 |  |  |  |  |  |
| 2/2/2015 | 40 | 27 |  |  |  |  |  |
| 2/3/2015 | 41 | 25 |  |  |  |  |  |
| 2/4/2015 | 42 | 23 |  |  |  |  |  |
| 2/5/2015 | 43 | 21 |  |  |  |  |  |
| 2/9/2015 | 44 | 19 |  |  |  |  |  |
| 2/10/2015 | 45 | 17 |  |  |  |  |  |
| 2/11/2015 | 46 | 15 |  |  |  |  |  |
| 2/12/2015 | 47 | 13 |  |  |  |  |  |
| 2/16/2015 | 48 | 11 |  |  |  |  |  |
| 2/17/2015 | 49 | 9 |  |  |  |  |  |
| 2/18/2015 | 50 | 7 |  |  |  |  |  |
| 2/19/2015 | 51 | 5 |  |  |  |  |  |
| 2/23/2015 | 52 | 3 |  |  |  |  |  |
| 2/24/2015 | 53 | 1 |  |  |  |  |  |
| 2/25/2015 | 54 | 0 |  |  |  |  |  |

**Product Backlog**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item ID** | **Priority** | **Backlog Item** | **Estimated remaining (person-hours)** |
| 1 | 1 | The system needs to get weather prediction data from NOAA every hour of the next week from a user specified location and perform calculations to determine the evaporation rate for every hour of the week so that the user can best determine when the best time to pour concrete. | 10 |
| 2 | 1 | The user wants to see a 3 color (red, yellow, green) line graph which represents the risk level when viewing the probability of concrete shrinkage so that the user can quickly determine when to pour concrete. | 5 |
| 3 | 1 | The system needs to get the latest weather updates and find the evaporation rate and determine if there is a user specified change in risk level for a specific day and time for a user that wants to be notified so that a user does not have to keep checking the software. | 10 |
| 4 | 1 | The system needs to check if there is weather predictions for a user specified day and then email the user so that a user does not have to wait the week of the planned concrete pour to do the prediction. | 1010 |
| 5 | 2 | The user wants to only enter the zip code when so that the user has minimal data entry. | 1 |
| 6 | 2 | The user wants to see the specific weather data that was used in the calculations so that they know what the weather data predictions are. | 1 |
| 7 | 2 | The user wants to see the weather calculation formula that was used so that the user knows the calculation that was used. | 1 |
| 8 | 2 | The user wants a last updated date when viewing the predictions so that they know when the data was last updated and if NOAA’s forecast database is currently working. | 2 |
| 9 | 2 | The system will name the project by location so that a user does not have to enter a project name. | 1 |
| 10 | 3 | The user wants the ability to create an account so that they can have multiple projects, save projects, and be sent notifications. | 10 |
| 11 | 3 | The user wants the ability to be notified if there is a user specified change in risk level for a specific day and time of the probability of concrete shrinkage so that users do not have to keep checking. | 10 |
| 12 | 3 | The user wants the ability to be notified if there is a day that is farther away than 7 days for a notification to be sent of the prediction so that a user does not have to wait the week of the concrete pour to do the prediction. | 5 |
| 13 | 3 | The user wants to be able to get the probability of the concrete shrinkage without logging in so that users do not have to create an account to use the software. | 5 |
| 14 | 3 | The user wants to be able to edit their account data such as delete project, delete account, delete or change notifications, change email, and change password so that the user has control over their account | 7 |
| 15 | 3 | The user wants to be able to have forgot password functionality so that they can access their account if they forgot their password | 2 |
| 16 | 3 | The web application must work all of the time and be readily available when there is internet connection and the NOAA database is live | 1 |
| 17 | 3 | The web applications data must be kept secure by encryption and salting private data so that user-data is kept safe | 15 |
| 18 | 3 | The web application must run on anything that can host web sites. | 1 |
| 19 | 3 | The web application will store the last accessed data for a saved project so in case NOAA database is currently lost or unreliable so that there will still be a prediction. | 5 |
| 20 | 4 | The system needs to keep track of website usage data so that the administrator can view web site usage statistics. | 2 |
| 21 | 4 | The administrator wants to login so that they can view web site statistics. | 2 |
| 22 | 5 | The user wants the ability to see the specific weather data in metric or imperial so that the user can see data that is better understood. | 1 |
|  |  | TOTAL: | 107 |