BURNDOWN: EXPLANATION

Burndown Chart: This part divides the amount of required hours of the sprint into the sprint length (10 days). This means that the total number of remaining hours of work for the sprint is reduced by x hours whenever a certain task has x hours devoted to it. It does not take into account the actual hours taken to do the task (which is taken care of in the backlog chart): this reflects the so-called “hours worth” of work done; the “hours worth” is what we predict a certain task is worth overall before the task begins. When the task is completed, no matter how many hours of work it actually took, the sum total of the “hours worth” is taken away from the “actual hours remaining”.

Example from sprint 1: setting up the basic flask application was predicted to take 4 hours, so it has 4 hours devoted to it in the overall prediction of 30 hours to complete all tasks for the sprint. The work for the basic application ended up taking only 1 hour in total, but because it was predicted to take 4 hours, the full 4 hours was subtracted from the number of “actual hours remaining” in the chart. The 1-hour figure is documented in the backlog chart to the left of the burndown graph.

Backlog Chart: Here we see the estimated time to complete each task versus the actual time it took for each to be completed. If there are tasks that are not fully completed in this particular section, it is either because they are taking much longer than predicted, or there is more work to be done in that particular area.

For example, for the final days of sprint 1 we devoted 2 hours to researching Flask, and 2 hour.s were devoted to fully setting up Google Maps within the Flask app. This research and work were carried out, but far more research and extra work on the Google Maps functionality was required at the beginning of the following sprint. Therefore, the tasks were considered incomplete; the figure *2 in the “Actual” column shows that 2 hours were put in, but the task requires more time devoted to it in the following sprint.

Burndown Graph: The graph plots the amount of estimate hours remaining on any given day of the sprint versus the actual hours remaining.