Process and Project Metrics

Time Tracking

- Metrics to track
    - Team hours worked per week
    - Individual hours worked per week
    - Amount of hours above/below the expected amount per individual and as a team
- How to track
    - Currently being tracked through a spreadsheet in Google Drive
    - Can possible be integrated with Github projects
- Visibility
    - Available on our project website, important for sponsor to see
    - Creating visualizations of this metric will be helpful

Bugs

This will be important as many suggested improvements are fixing bugs currently in previous release, in addition to many undiscovered defects being present as well

- Metrics to track
    - Amount of defects and location of bugs
    - Created by us or already present in project
    - Status of bugs
- How to track
    - Github Issues
- Visibility
    - Available on our open source Github repository
    - Mainly for the developers, but will be available for sponsors or anyone

Velocity and Sprint Burndown

- Metrics to track
    - Velocity: Amount of work completed in a sprint
    - Sprint Burndown: How far our progress in sprint backlog is
- How to track
    - Github Projects / using information from Github Projects tasks to track on a separate document
    - Github Projects task board will help track this as well
- Visibility
    - Velocity and burndown charts can be created
    - These can be available on our website

Possible product metrics dependent on sponsor needs?

- Average processing time
    - Large requirement of the product is it being quick
    - Measuring times during single vs batch processing
    - Timing for batch processing per 20 items
- Interface usability metrics
    - Ease of use is one of the most important aspects of the product
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- Calibration variability
    - How much the accuracy of the software changes each run
    - May be able to fix this and make it unnecessary
    - Track using heat map, max/min color differences