

## **Working Prototype Known Problems Report**

**Product:** TSR Assistant

**Team:** Drowning with Ducks

**Date:** 12/3/2017

### **Functions with Known Bugs:**

1. If all of the members of the project did not complete all of an assigned TSR, the Graphical Analysis page will not construct the graphs.
  - a. Analysis objects, which are used by the graph, are only generated when an entire team has completed a TSR.
  - b. A good solution is unknown - proceeding to display graphs with incomplete information could lead to misleading conclusions.
2. If all of the members of the project did not complete all assigned TSRs, the Graphical Analysis page will not properly display team health.
  - a. Running averages can only be computed if all TSRs have been filled out. This is to prevent constant recalculations every time a team member fills out a TSR. The side effect of this is that until all TSRs assigned are completed, the Team Health section is blank.
  - b. This could probably be solved by creating a new analysis object that calculates and stores running averages, and using that as the basis for the Team Health area.
3. If a project is created after a TSR is assigned, then the Graphical Analysis page will not display correctly and has no functionality.
  - a. This is caused by interactions out of our control, since that team will never be able to complete any TSR assigned before the projects creation. This effectively causes bugs 1 and 2.
4. If the members of a project change after a TSR has been completed, the Graphical Analysis page will not display correctly and has no functionality.
  - a. This occurs due to how the existing Grephthink codebase handles removing “active” members from a team - it does not remove the data they created for TSRs.
  - b. It might be possible to check if a given piece of data belongs to a current member of the team.
5. The graphs for the Graphical analysis tab take a moment to resize when opening the tab.
  - a. This is most likely caused by charts.js, which is a third party library that we used with no modifications.
  - b. No known solution.
6. If a team has only one member, nothing related to TSRs works.

- a. This is due to how Grephthink handles the submission of TSRs, where the highest score you can give is a 99, but all scores must add to 100. A 1 man team can never submit a TSR.
- 7. If there are more than 8 members in a team, the graphs become functionally unrecognizable.
  - a. This is due to size limitations of the design for the Graphical Analysis tab.
  - b. A decision was made to not handle this, as we were assured that 8+ member teams were next to impossible.
- 8. If you have more 10 members in a team, the colors of the graph will not display correctly.
  - a. This is due to a design decision (see 7.b).
  - b. A possible fix to this would be generating either random, distinct colors, or to enforce a max member limit, thus generating that number of colors accordingly.