

Summary the 'rootbeer' Project

This report will summarize the commits and changes made to the main files on the 'rootbeer' project. The contributions made by each developer will be analyzed and a final report on potential optimizations the company can make will be included at the end.

Looking at *Figure 1* below, we can summarize the workflows of different developers and how often they contribute to the project using calls to GitHub API and using commands such as 'git log' and 'git show' to see more detail on contributions. To summarize each developer's changes:

- Developer yellow seldomly sends changes. However, when developer yellow does make changes, they make changes across the board in the project's main files and does so in a narrow span of time.
- Developer light green is like developer yellow but has not made the same number of changes. So far, there has only been one burst of changes across project files from light green.
- Developer teal does not have many contributions to the project.
- Developer purple makes frequent contributions to all project files. This person seems to be the most experienced and senior contributor, along with developer yellow.
- Developer blue was a frequent contributor early in the project but has not made any recent contributions to any of the project files.
- Developer green is an infrequent contributor that makes rare changes to one project file.

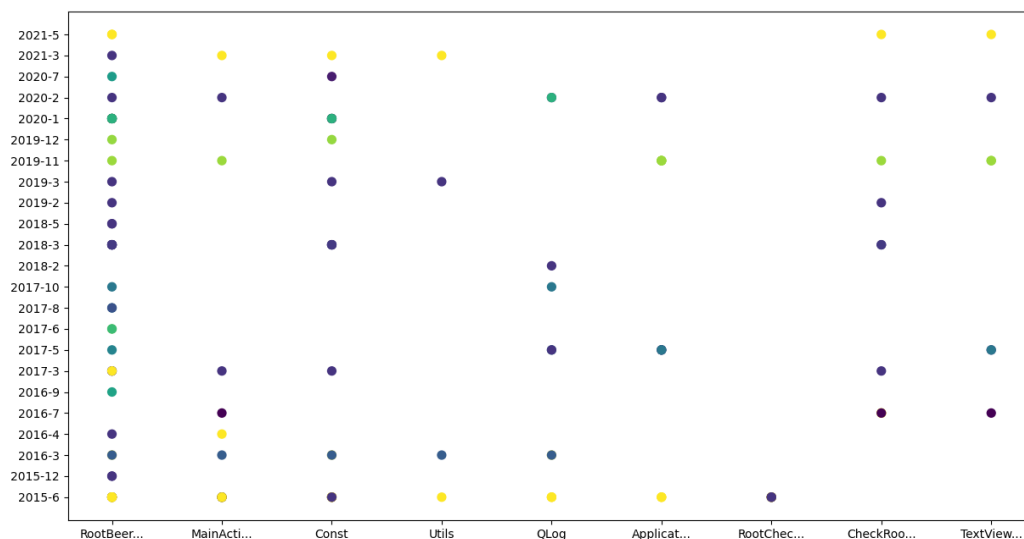


Figure 1

As a recommendation, there will be no significant harm in letting developer green go as they seem to have contributed early on to the project, but still is lagging behind similarly experienced colleagues. Developer teal's scarce contributions can be attributed to lack of experience on the project and relative recent entry date into the project.

Link to project fork: <https://github.com/baej12/CS-472-Senior-Design-Project>