Jake Balla, Saptarshi Mallick, Jackson Randolph, Ojas Sanghi

Project Submission — Workload Split

All in all, this project was a remarkable display of collaboration where everyone contributed significantly to the final result, ensuring an equal split of work during the process.

Jake implemented normal insert and radix delete in the code. He also helped debug methods, including both types of insertion and printWordsPrefix(), and implement fixes. He also wrote comprehensive JUnit file testcases, including logic to go through a file of many existing words and run it against our data structures, ensuring the implementation was bullet proof. Finally, he contributed to this document.

Jackson implemented normal delete and radix insert in the code. He also helped debug methods, including radix insert, and implement fixes. He also contributed significantly to the slides, ensuring we were able to comprehensively summarize the work done in our project. Finally, he contributed to this document.

Ojas implemented standard search and radix preorder printing in the code. He also helped debug methods, including UserInput's parseTrieInputs(), and implement fixes. He also wrote the code that set up the infrastructure for JUnit testing in our project. Ojas also implemented additional logic in the UserInput code to make it more robust and user-friendly. Finally, he wrote the README documentation, contributed to the group presentation, as well as contributed to this document.

Saptarshi implemented functionality to print words and radix search in the code. He also helped debug methods, including insertion and radix search, and implement fixes. He also utilized advanced tools such as IntelliJ profiler to analyze space and time efficiency, constituting a great contribution to our group's project. Furthermore, he implemented large parts of the user-facing command line tool, enabling users to interact with our tries. Finally, he contributed to the group presentation as well as this document.