

## Checkpoint 2 - CS51 Final Project - Text Prediction Team

1. Progress: Describe what you have done over the past week. What is done? Does it always work? Is it still buggy?
  - a. We have a rudimentary, working form of autocomplete.
  - b. We've made strides with bug-fixes, especially with the data structure functions and the scraper/parser.
  - c. Autocomplete implementation was changed from broad dict-based to trie-based.
2. Problems: What has given you trouble? Your TF may be able to help you overcome conceptual confusion or technical difficulties.
  - a. We realized we haven't implemented the error model yet, so autocorrect is based on language model alone.
  - b. We currently do not implement a true use of Bayes theorem.
  - c. There are some issues due to lack of familiarity with git.
3. Teamwork: How have you organized working together on a larger project? What problems have arisen, how have you dealt with these problems, and how can you improve moving forwards?
  - a. Considering the asynchronous nature of this project, we've done pretty well.
  - b. Members have done parts of the project that was assigned.
  - c. Better communication due to not working together in person synchronously would be good at times, because we're all on one git branch, although it's not a huge issue.
4. Plan: What things do you need to do next week to finish? Include a schedule specifying what needs to get done, when it will be finished, and who will be doing it.
  - a. The error model in mostProbable needs to be revised.
  - b. We would like to implement active node filtering in autoComplete (i.e. be able to calculate new active nodes from previous set)
  - c. We would like to implement an interactive interface that updates as the user types the word (we're not sure if this can be done in the command line or not).
  - d. Some of the code needs to be streamlined. (i.e., class wordCounter is not necessary)