

## Java Project Proposal

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### **Goal:**

The goal of our project is to create a text editor that allows you to conjure up word vomit resembling the style of your favorite author based on sample text to chop up into potential word suggestions.

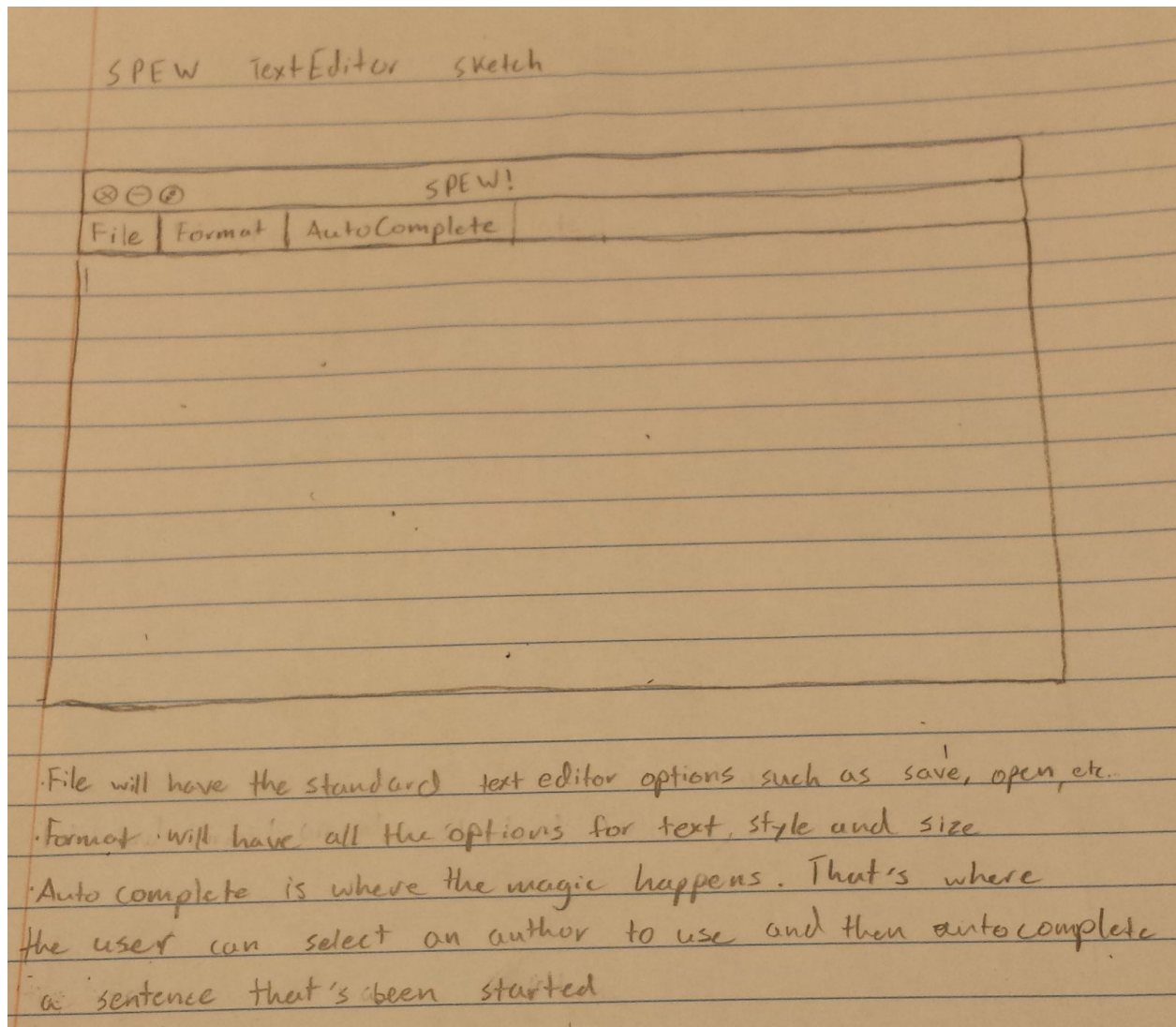
In other words, the text editor (S.P.E.W.: "Vomit like your favorite author!" (working title)) will take the text file of a given author and create a dictionary of word relations. The user can type whatever they want and then engage the "Plagiarize-O-Matic" feature to fill in the rest of the sentence with suggestions in the style of the selected author from the dictionary based on the characters that the user has already written. The user can switch between authors at will. S.P.E.W. will also have the normal features of a text editor including saving edits and changing font style.

### **Features** (listed in order of importance of completion):

- Standard Text Editor - can write text in a box/delete text
- Save pure text (not formatted version)
- Standard formatting options - change text size, color, bold/underline, font
- "Write like your favorite author" - autocomplete a sentence based on the works of a specific author.
- Generate complete sentences in the style of that author
- Switch modes - select different author
- Character name generator

### **Design Pattern:** MVC probably

### Sketch:



### Roles/Tasks:

Broadly speaking, Brendan and Rachel will work on the back-end, ie storing the text files, processing them and designing the algorithms to auto-complete text, as well as the general model for the text editor itself. They will work together for most of this, but Brenden will be more in charge of the auto-complete algorithms and Rachel will be more in charge of the modelling. Sam and Alex will work on the front end of the project, focusing on designing the view and the creamy controller implementation.