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CIS 407
17 April 2015

Proposal to Continue Work on Speadreeder

Speadreeder is a web application that serially displays words in place to enhance the user's top reading speed. It is in its infancy, however, and it leaves much to be desired.

Current features:

- Accepts input by user pasting into text area
- Separates words by space and newline
- Displays words in sequence
- Variable WPM slider
- Tracks words read / words total and time elapsed reading (excludes time paused)
- Instructions dialog

END OF TERM GOALS

Improvements:

- Make the display properly handle different screen sizes (MS1)
- Fix the instructions dialog close button (it's obscured by the window) (MS1)
- Refactor code to feature better OOP practices and enhance extensibility (MS2)
- Sharper text (EOT)
- New name (EOT)

New features:

- Font type, size, and color selection (MS1)
- Transparent gray-out screen when paused (MS1)
- If the word separation processing is expected to exceed 1 second, create a loading bar that says something like, "Processing input..." (MS2)
- Variable canvas size (MS2)
- Automatically pause for variable duration at end of sentence/paragraph (MS2)
- Expand the text area dynamically to allow the user to edit their text before they submit it (EOT)

Possible considerations for end of term:

- Get text from url (select by <p> tag? Implementation concerns here)
- Variable duration of display for shorter and longer words, while maintaining average WPM set by user
- Implement a user account system with features such as personal statistics (track your improving reading speed!) and foruns
- Use a more efficient data structure for storing the words
- Use a more efficient algorithm to separate the words

I am the sole proprietor of awhalbert.github.io/speadreeder

Legend: MS = milestone: EOT = end of term