

Speed Reader Milestone 1

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Milestone 1 Original Goals:

- Make the display properly handle different screen sizes (MS1)
- Fix the instructions dialog close button (it's obscured by the window) (MS1)
- Font type, size, and color selection (MS1)
- Transparent gray-out screen when paused (MS1)

I achieved, to varying degrees of satisfaction, the first three. Making the display properly handle different screen sizes is a work in progress, i.e. a total mess, but improving.

Moving the transparent gray-out screen to MS2.

I also implemented variable duration of word display based on string length. The algorithm may not be particularly efficient, and does not always make the font size as large as it could be. The algorithm essentially decrements font size by 10 pt each loop iteration until the text fits in the canvas, because the rendered width of non-monospaced fonts seemingly cannot be accurately predicted, among other challenges. This new feature causes the app not to maintain a specific user-designated WPM, so I updated the WPM display to reflect the average WPM of a user's reading session (taking into account time paused).

<https://github.com/awhalbert/speadreeder>