

Mouse-Wheel-controlled resizing of text passages

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1. Idea

The idea of our implemented interaction technique is to simplify and speed up text formatting. Often text needs to be formatted to improve readability and to structure content. Therefore we implemented a simple Text-Editor where users can input text of their choice. Using linebreaks the text is divided into paragraphs. To set different font sizes for each paragraph one needs to mark a text passage and select an appropriate font-size. To speed up this process and to simplify the interaction we decided to give users the ability to hover over text passages and select the appropriate font-size by using the mouse wheel. To give users feedback about the currently selected font-size a spherical widget shows up in the top right corner of the text editor when users scroll up or down.

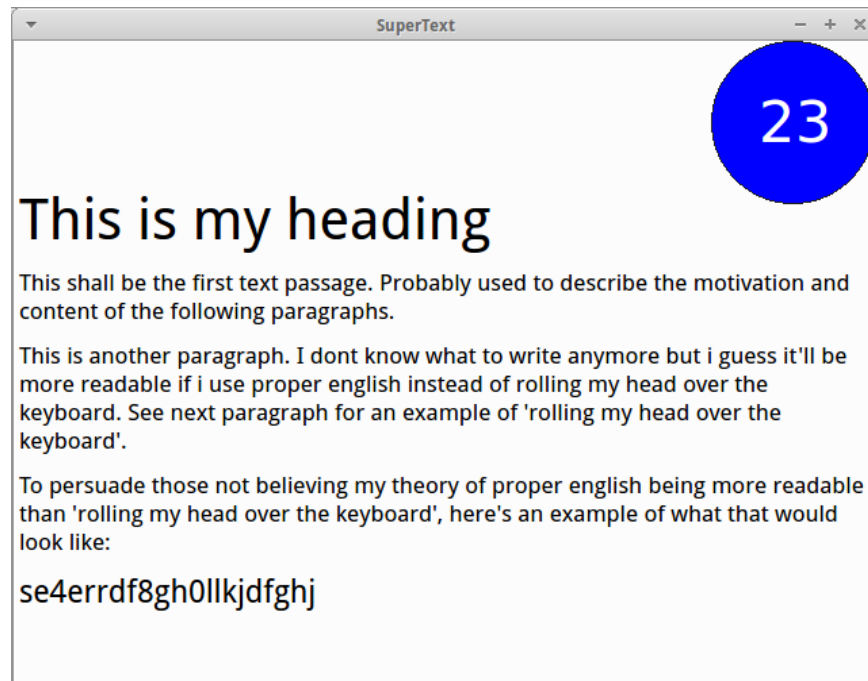


Illustration 1: Screenshot of the executed python script.

2. Advantages & limitations

The advantage of our implementation is a faster resizing of text passages without inconvenient marking paragraphs, pointing and selecting a appropriate text size.

A limitation of the demo application is that it is not possible to scroll longer text with the mousewheel.