Screen Shots
Zooming in on an excerpt from Free Culture by Lawrence Lessig:

Idea in Detail
- Control "zooming" and scrolling with the mouse
- Hide/show paragraphs a line at a time as zoom increases/decreases
- When zoomed out, display clicked paragraphs in full
- Visually mark clicked paragraphs

Other Approaches
- Zoom out by making text smaller
- Multi-scale Table of Contents
- Source code folding

Dataset
- World Wide Web
  - News Articles
  - Academic Papers
  - Online Books

Implementation
- Extension to Firefox Web Browser
  - JavaScript
  - XML DOM transformations
- Visual Feedback:
  - Dynamically modify page
  - Draw zooming/scrolling widget in front of page

Challenges
- Determine what a paragraph is – more than one representation:
  - `<p>`
  - `<br>`
  - `<li>`
  - …

Challenges (cont.)
- Find line breaks due to wrapping
  - Hard? Easy? Don't know yet.
  - Firefox documentation is incomplete

Challenges (cont.)
- Deciding what to hide
  - Beginnings of paragraphs important, but maybe the ends are as well
  - At some point, need to hide entire paragraphs
  - Which ones?
  - Treat long paragraphs differently than short paragraphs?

Challenges (cont.)
- User choices introduce compromise

Current Progress
- Learned how to write Firefox extensions
- Implemented framework for hiding and unhiding text
- Working prototype
  - Word-at-a-time zooming
  - Only handles `<p>` delimited paragraphs
  - No scrolling
  - No selection of paragraphs