MultiVersioner

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Background and Motivation

- Visualize multiple versions across multiple documents

- Task - Analyzing Poems
  - User - Tanya Clement
  - grad student in the English department
  - Analyzes the experimental style of the poets
  - She will use our tool to compare several versions of poems
Background and Motivation

• Current tools
  ○ Content based comparison
  ○ Visual comparison of only two documents

• Visual comparison of multiple documents?
Versioning Machine

- **Versioning Machine**
  - An existing program that enables viewing multiple versions of one document

- **Limitations of Versioning Machine**
  - No search capabilities
  - Single document
  - Horizontal scrolling
Versioning Machine
MultiVersioner

- **User Requirements**
  - Multiple documents with several versions
  - Easy search

- **Overview and Details on Demand**
  - Box View (overview)
  - Text View (detailed view)

- **Search**
  - Search for words and lines
  - Color-coded highlighting

- **Statistical Analysis**
  - Frequency table
MultiVersioner

- **Techniques**
  - **Post-it:** details in overview
    - Leave interesting information on interface
  - **Utilizing screen space**
    - Versions automatically adjust to fit screen width
    - User adjustable panels
  - **Synchronizing**
    - Scrolling through one document would cause the other document to scroll down as well
    - Synchronizing overview and detail view
Summary

- Comparing multiple documents with multiple versions
- Search and Statistical Analysis
- Highlighting
- Potential applications in other domains
  - EULAs
  - Temporal Changes
Questions?