

My GUI design focuses on keeping relevant features together. The page number and navigation, bookmark feature, and page notes are all immediately next to one another. The document notes and selection/navigation also follows this design.

I used a separate class, PDFClass, for each document opened by the user so the documents would have it's own arrays of notes and bookmarks, which reduces coupling.

### **Features:**

Navigation within a document:

- Arrows for next or previous page (left and right arrow keys are shortcuts to these).
- Text field to jump to specific page number.
- Label displaying the current page out of the total number of pages.

Navigation between PDF files:

- Combo box to select specific documents, this also displays the title of the current document.
- Prev / Next buttons for local navigation.

Zooming:

- Zoom in button (+), "cmd and +" also works
- Zoom out button (-), "cmd and -" also works
- Fit document to screen button (Fit)

Resizing:

When resizing the window the controls do not change size but are anchored to the right and top borders and respond sensibly.

Notes:

- Page notes are stored and displayed for the current page, type in the page notes text box and click "Add Notes" to store them for the current page number.
- Document notes are stored and displayed for the current document, type in the document notes text box and click "Add Notes" to store them for the current document.

Bookmarks:

- Bookmark the current page by clicking "Bookmark Page", the page number will be added as an option to the combo box below the button.
- Bookmarks are saved to the document and the combo box displays bookmarked pages for the currently displayed document.
- Selecting a bookmarked page in the combo box takes the user to that page.

Searching:

- Use the search bar at the top to find a word or phrase, the first found instance of the search will be highlighted
- Use the arrows below the search bar to navigate to other instances of the search

## COSC346 Assignment 2 Report

Caleb Mitchell 2363547

About window:

Has some information about the program

### **Issues/bugs:**

After dragging the scroll bar to the top the page number often doesn't update correctly. This is a bug to do with the currentPage variable in the PDFView class.