

Final Project Proposal Kitten Notebook (KTNBK)

Description:

- KTNBK makes use of several data systems in Java to provide a convenient and easy to use digital notebook. Not only can you take notes like you can with any other notebook, but there are also several built-in commands and functionalities to make notetaking more efficient. We plan to make KTNBK usable for many different classes.

Value Proposition:

- KTNBK has everything a notebook has to offer, but comes with unique features to accommodate any student's needs. It automates common processes students need to perform, making for a smoother and more intuitive note-taking experience.

How it works:

- The notebook will be printed from an ArrayList of Line objects
- Line:
 - Holds a String cargo
 - Holds a link to another Line
 - Allows for functionality for cursor movement
- Inspired by Vim, commands will be run on the bottom line of the screen

How we will utilize Spring semester topics:

- Sorting: ?sort command
- Stack: undo/redo
- Stack/queue: PEMDAS arithmetic
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Commands:

Must have:

?help = lists all commands

?cat = ascii art of a kitten

?save = save the current contents to a file

?link = links current line to another line

?goto = moves cursor to linked line

?calc = evaluates mathematical line

?del = delete line

Nice to have:

?pomodoro - implements timer w/ pomodoro technique

?sort - sorts a line by alphabetical order/numerical order

?undo/redo :) (uses stacks)