BOOKSHELF

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User Manual

To run the program:

First compile by typing

javac Driver.java

or

javac \*.java

After compiling run with two (2) command line arguments

java Driver -i input.txt -o output.txt

The -i flag indicates you have an input file attached with your desired searches.

The -o flag indicates the file you want the output data to be written to.

Log files and receipts are automatically generated and named “logFile.txt” and “receipt.txt” respectively. **These files are generated in the current directory and is developed only after you sign out**.

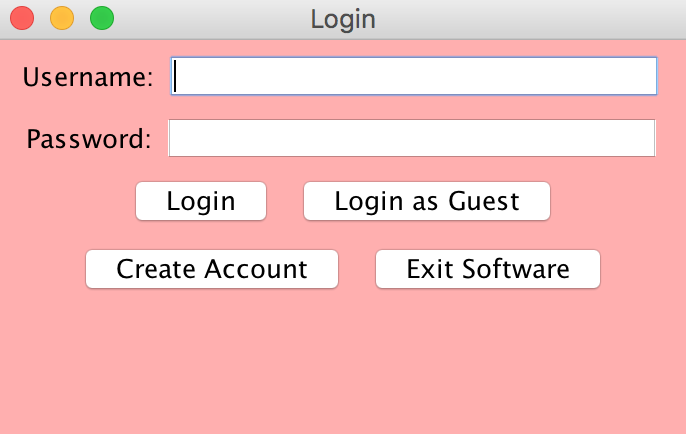
Provided for this project to test is a “logFileBackUp.txt” file to test rebuilding data from a log file as admin.

Also included in this project is an input file and output file for convenience.

Input file must **only** contain titles and **one per line**!

Welcome to Bookshelf!

Begin by logging in at this window:



ADMIN

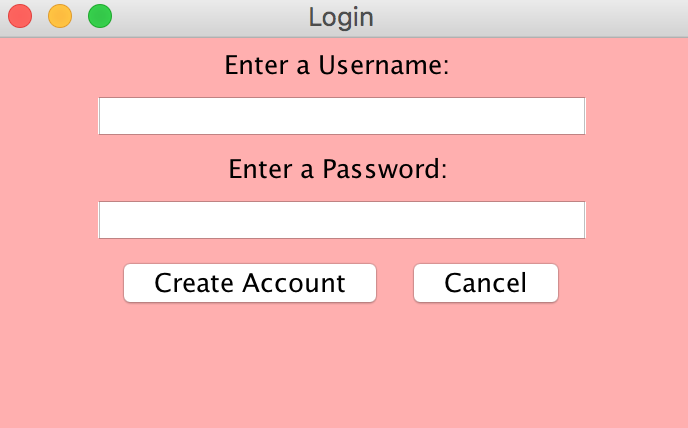
Username: Admin

Password: pass0000

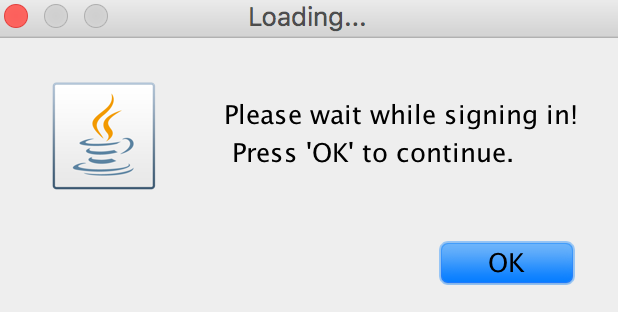
Regular User

Username: kim

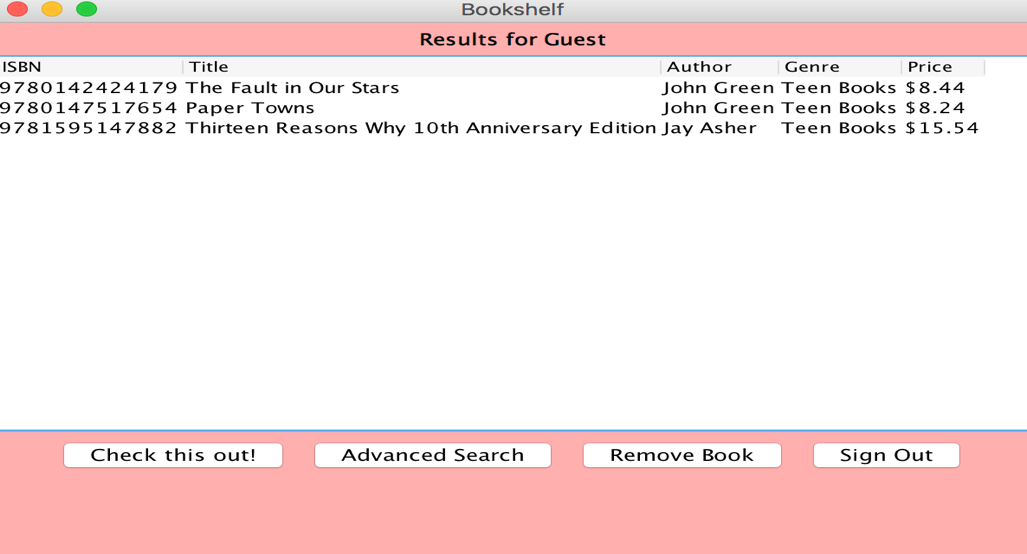
Password: pass

If you do not have an account, you can create an account by clicking on “Create Account”. You can also log in as a guest. Guests, however have limited access to the software.

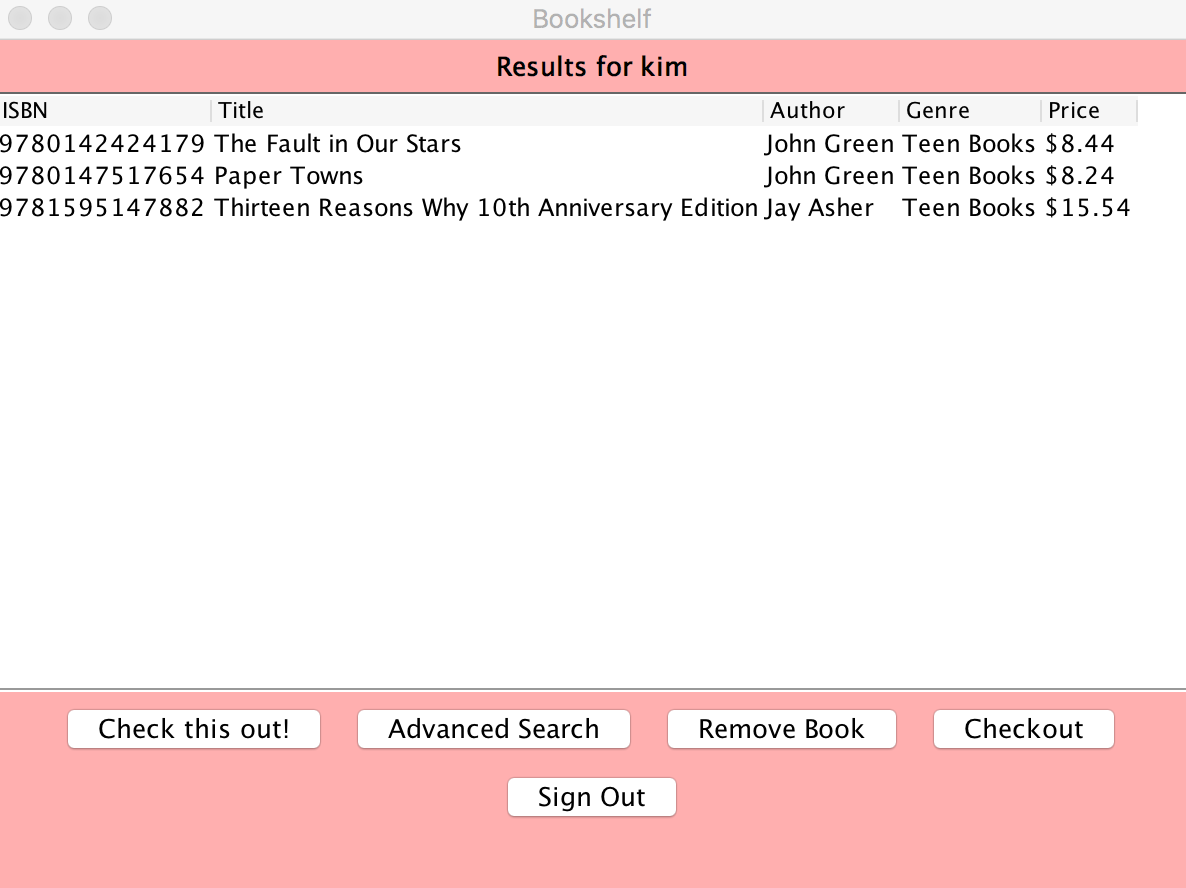
When creating an account, just provide a Username and Password which would allow you to login. Usernames are unique and CASESENSITIVE.



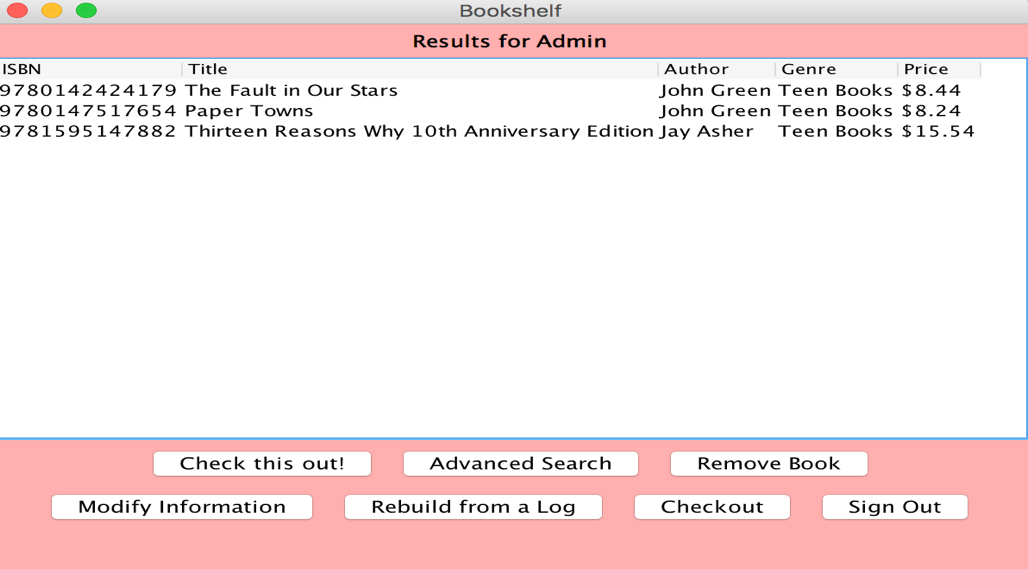
When you see this message, PRESS OK TO CONTINUE LOADING THE SOFTWARE. The software will not continue until “OK” is pressed.



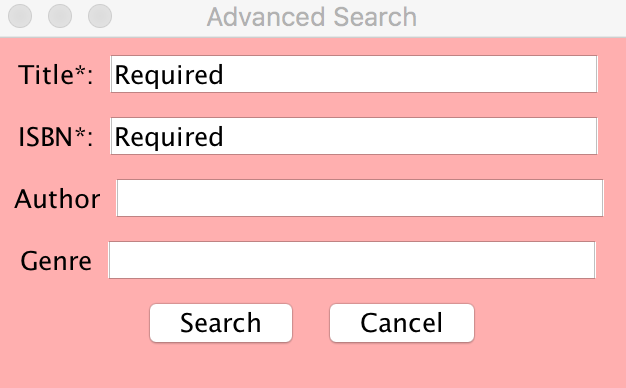
This is the main screen for Guest users. Guest users can only search and remove books.



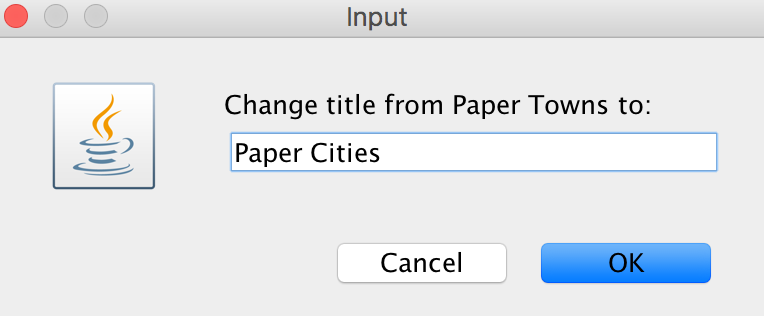
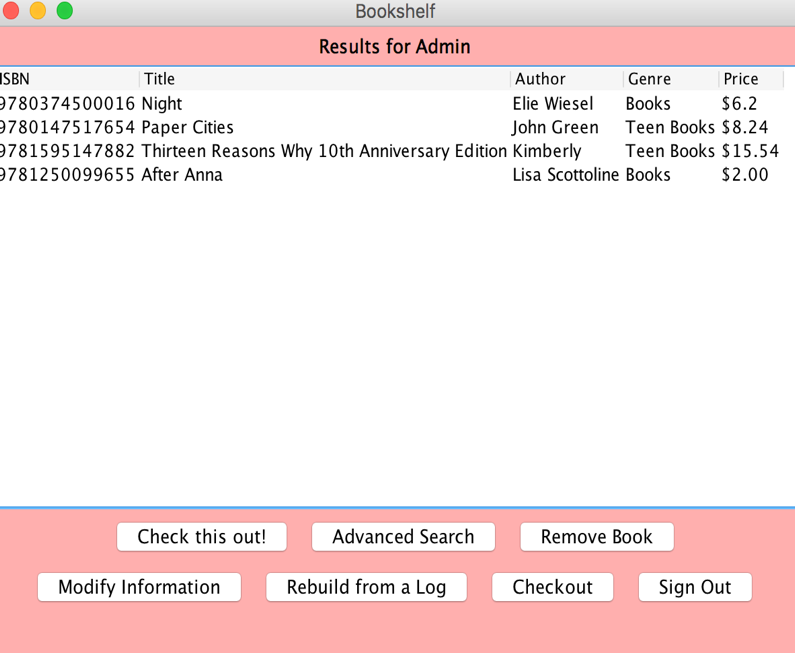
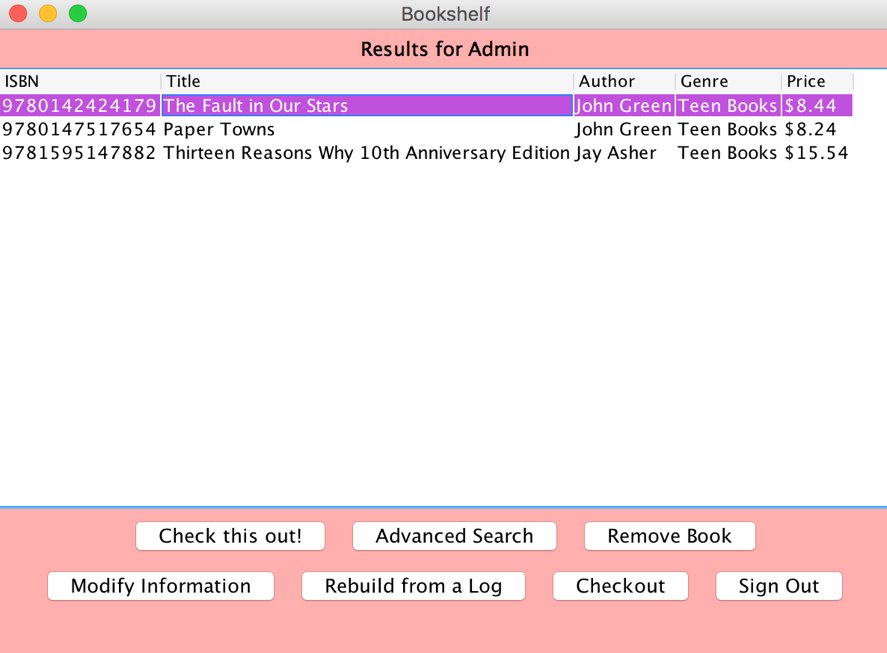
This is the main screen for Regular users. Regular users can search, and remove books. A regular user can also check out the books and generate a receipt.



This is the main screen for Admin. Admins can search, modify, and remove books. An Admin can also check out the books and generate a receipt.



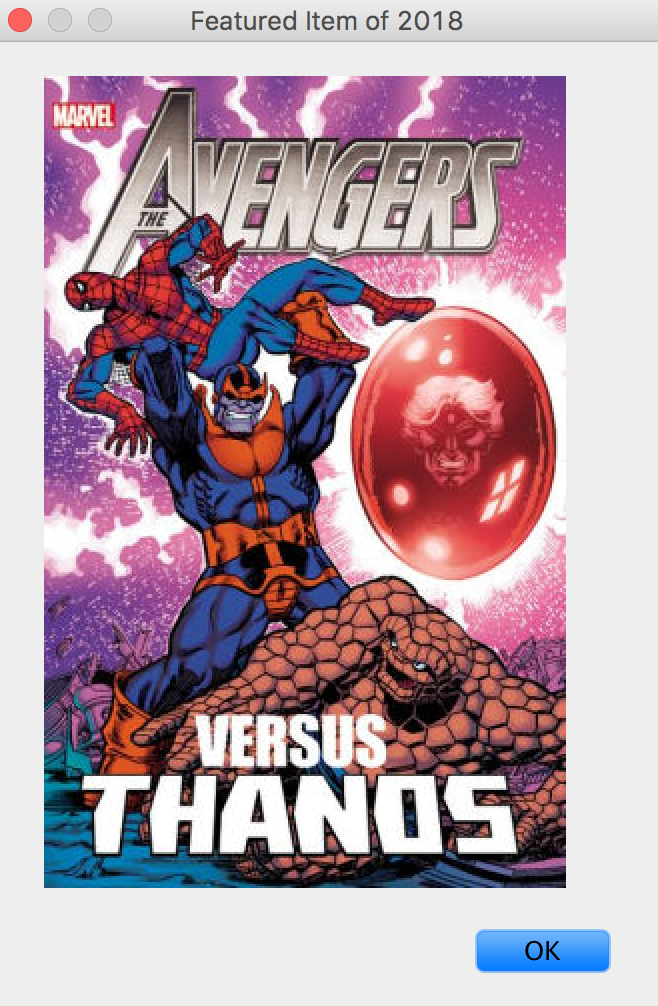
Advanced Search brings up this GUI. Search an exact book given the title and isbn of the book. If the book is not found, a message will be displayed. If the book is found, it will be directly added to your list of books. Do not add any trailing spaces!



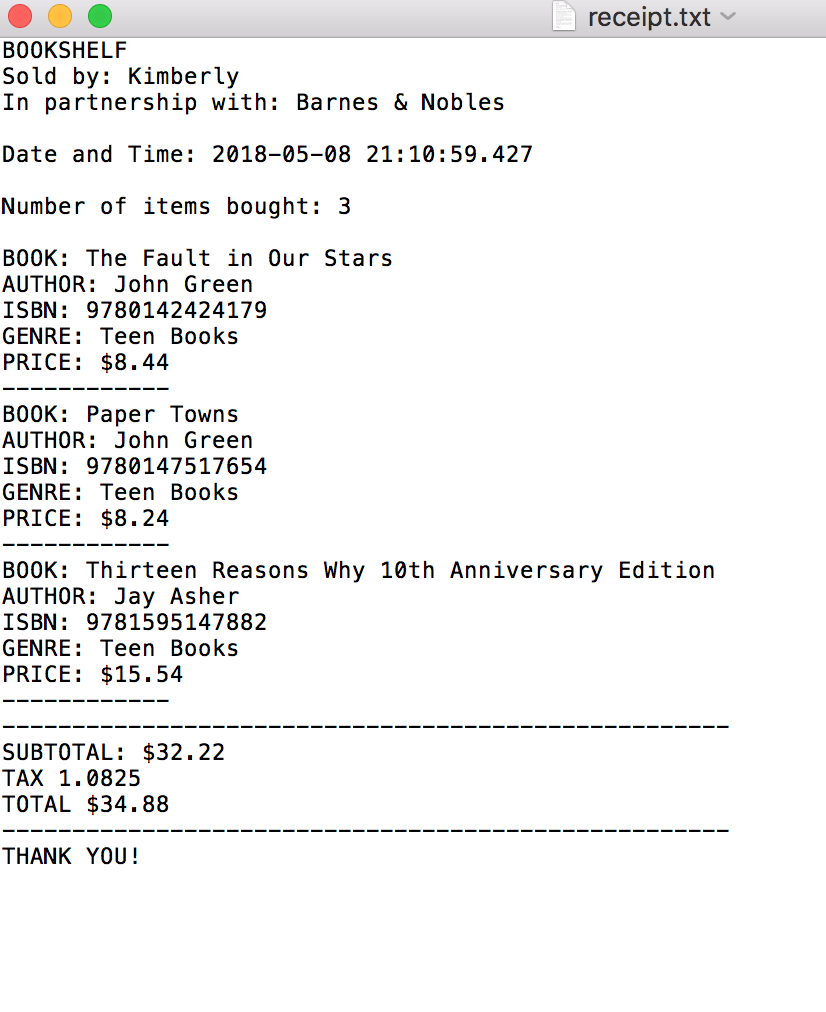
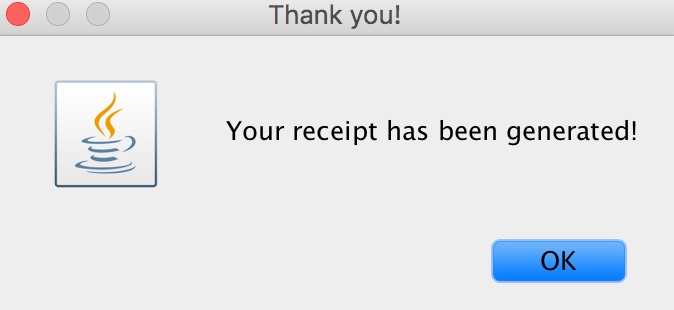
Below is the dialog where you insert the change. The picture on the right shows the modification and a deleted book.

You can select a book to be removed. Be sure to select an option to be removed (Purple selection appears).

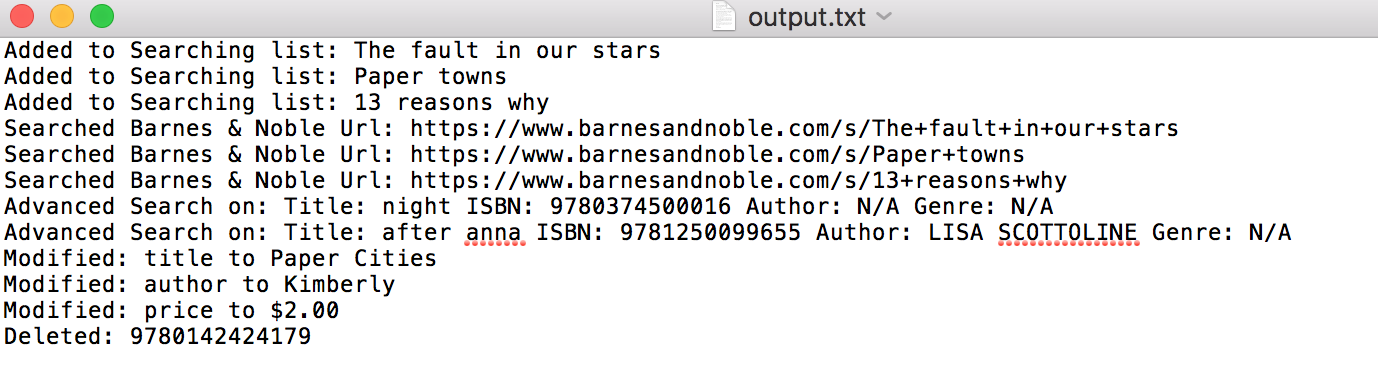
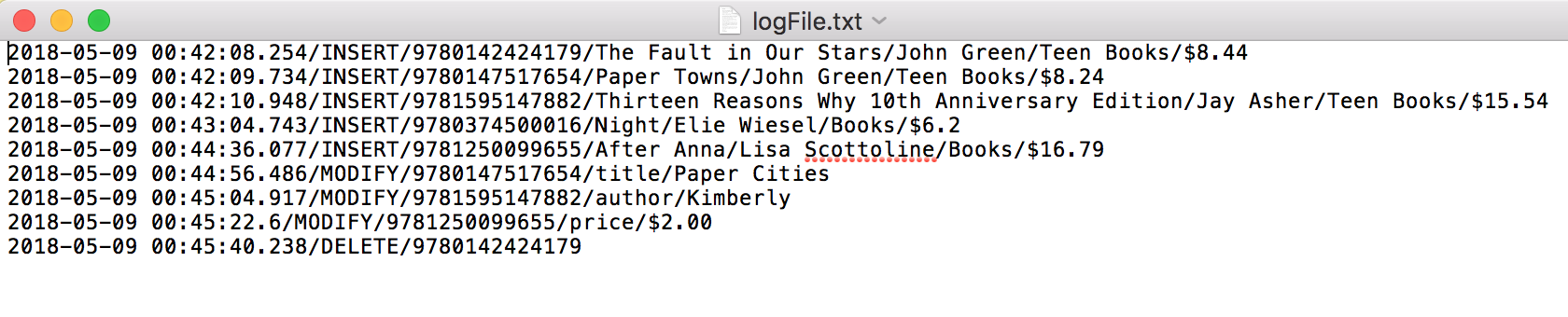
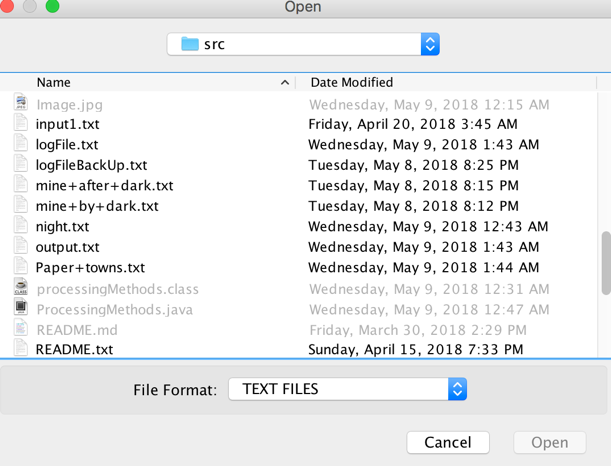
As an admin, you also have the ability to modify the information of the books. A dialog will pop up to enter the change for the field of the book you want to change. After entering the new value, the information will be updated in the list.



Selecting on “Check this out!” will bring up an image displaying the book of the year.



Selecting on “Checkout” will generate a text file called “receipt.txt” which is a receipt indicating the books you have “purchased”. Each book is displayed with its information and the total price is displayed below. On the left is a sample of a receipt. The image below is what is displayed when the button is clicked and the creation is complete. The receipt is stored in your current directory.



When a user signs out of the software, two files are generated: “logFile.txt” and your output file which is named based on the output file name given at command line. The first image is a picture of the output file. The output file displays what actions took place while signed into the software.

The Admin is able to restore data from a log File that was previously generated at some point in time. Below is an example of what the logfile looks like.

The admin must select on “Rebuild from a Log”. A file chooser (image on right) will pop up where the admin can select the log file.