

Object Oriented Programming Using Ruby Project (Book Store)

Your program must provide do the following:

1. A Store Item can be a book or a Magazine. A Book has a number of pages while a Magazine is published by a publisher-agent. Use inheritance to define and develop the suitable classes to represent different store items. Put all the common attributes and methods in the super class StoreItem.

Given a file book.txt and a file Magazine.txt having the following formats respectively. Assume that the files reside in the current directory of visual-studio.

Book.txt #title,price,author name,number of pages,isbn

Ruby Cookbook,100.3, Lucas Carlson,400 ,9780596523695

Ruby programming,90,Jerry Lee,200,1730497513499

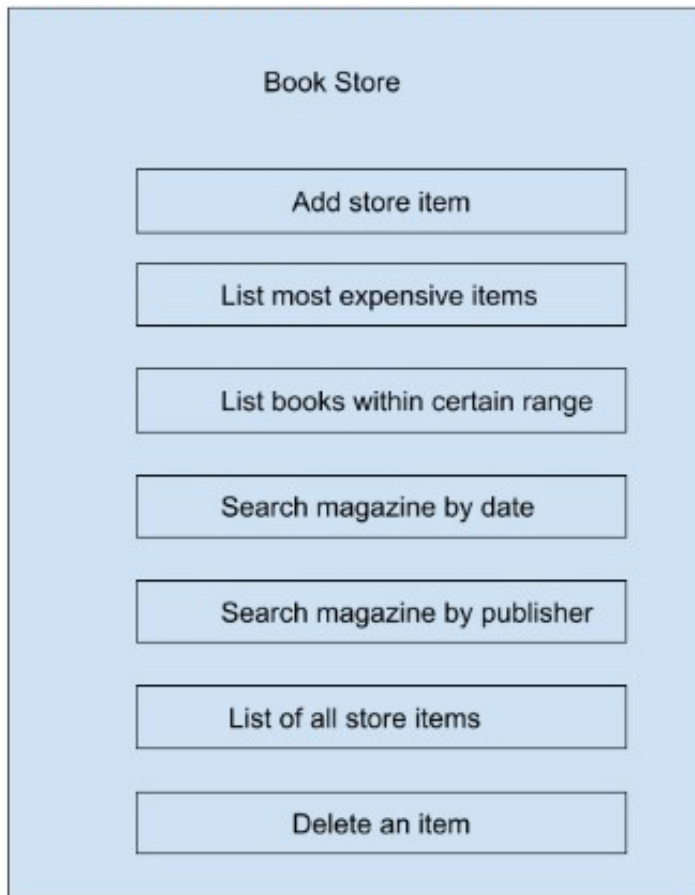
Intro to Ruby,80,John Elder,550,1284396855669

Magazine.txt #title,price,publisher-agent,date

Software Magazine,13,IEEE,20-1-2022

Communications of the ACM,80,ACM,14-6-2021

eLearn,50,ACM,12-1-2021



2.Book Store GUI as shown in the next figure using

flammarion<https://github.com/zach-capalbo/flammarion>

3.the LibraryManager class that corresponds to the code needed to accomplish all the operations needed by the above menu

Button7 Hint: You can use combo box/ drop box control to display all books or all Magazines. Then the user can select one and clicks on delete button

Button	Description
1	Add an item that could be a book or a Magazine
2	The most expensive books can be more than one book
3	The user will enter two values: from price and To-price. The program will retrieve the books in the given range and display them on the GUI.
4	Given the date the app will display all the Magazines in that date
5	Given the publisher the app will display all the Magazines published by that publisher
6	The program displays all the list of items (books and Magazines) with all their information
7	<p>Deleting an item (book or magazine) must be as follows:</p> <p>1-The user will decide to delete a book or a Magazine</p> <p>2-The program prompts the user to enter the title of the item.</p> <p>3- If the book/Magazine exists, it will be deleted, otherwise, display an error message.</p>