Summative assignment

PLS

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Contents

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# Requirements

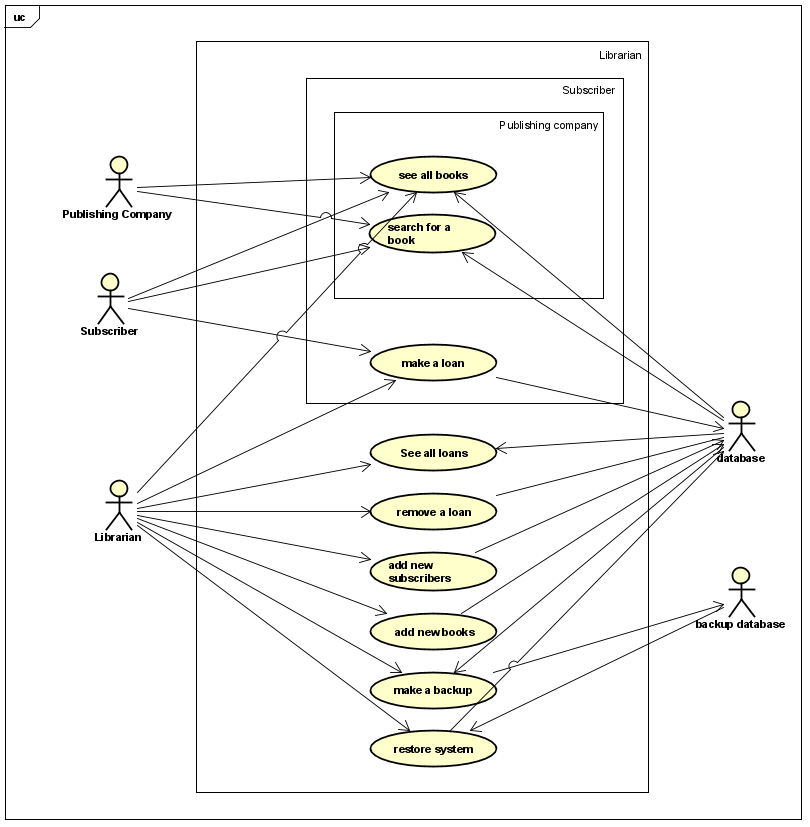
## Functional requirements

* As a subscriber I must be able to see the title, author, ISBN, language, country available copies of all books.
* As a subscriber I must be able to search books with keywords: title, author, ISBN, language, country or combinations. And after the search see the title, author, ISBN, language, country and available copies of the book.
* As a subscriber I must be able to loan a book that I want. Before loaning a book there must be an overview of the loan and a conformation from the subscriber. When the loan is made all book and subscriber and date info will saved with each other.
* As the librarian I must be able to see the title, author, ISBN, language, country available copies of all books.
* As the librarian I must be able to search books with keywords: title, author, ISBN, language, country or combinations. And after the search see the title, author, ISBN, language, country and available copies of the book.
* As the librarian I must be able to make loan for a subscriber. To make a loan the book as well as the subscriber it is for must be filled in. When the loan is made all book and subscriber and date info will saved with each other.
* As the librarian I must be able to see all loans made. The librarian will see the title, customer, date, email and telephone number.
* As the librarian I must be able to remove a loan that was made. Search on name of the subscriber for the loan. And then enter title to select the book. Before removing ask for confirmation.
* As the librarian I must be able to add new books to the system. Everything will be asked separately and everything must be filled in. Give an overview of the filled in information. The librarian can confirm or cancel the add.
* As the librarian I must be able to add new subscribers to the system. Everything will be asked separately and everything must be filled in. Give an overview of the filled in information. The librarian can confirm or cancel the add.
* As the librarian I must be able to make a backup of the data in the system. Before the backup is made, confirmation will be asked.
* As the librarian I must to be able to restore the library from the back up. Before the restoration, confirmation will be asked.
* As a publishing company I must able to see the title, author, ISBN, language, country available copies of all books.
* As a subscriber I must be able to search books with keywords: title, author, ISBN, language, country or combinations. And after the search see the title, author, ISBN, language, country and available copies of the book.

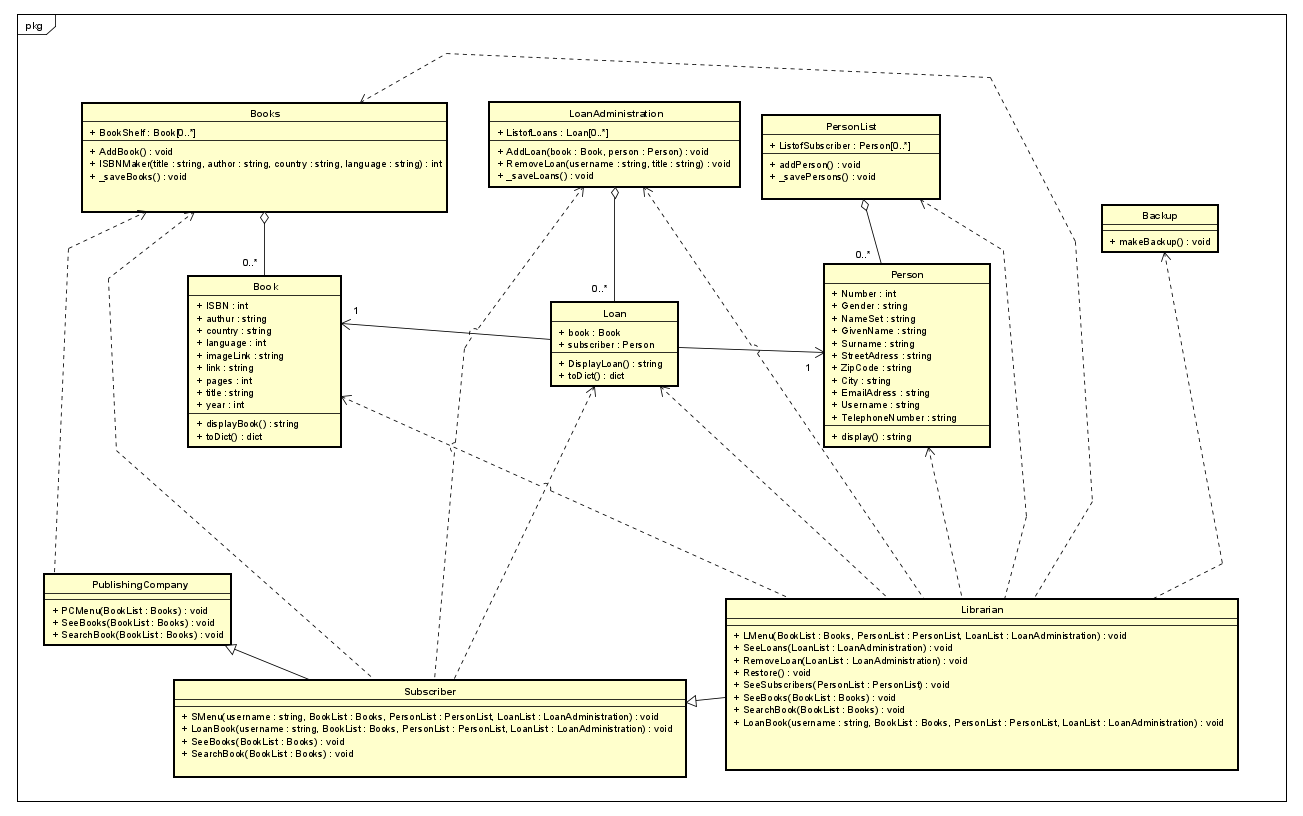
## Non-functional requirements

* The code must be writing in python.
* The backup must be in a json file.
* The backup must contain:
  + All the Books
  + All the subscribers
  + All the loans
* The data in the system must contain:
  + All the Books
  + All the subscribers
  + All the loans
  + The backup6

# Use Case



# Class Diagram

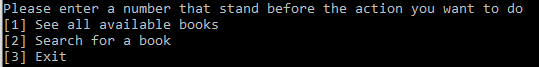


# User Manual

## Publishing Company

## 

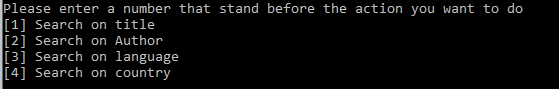
* Type 2 and press enter to go to the Publishing company page



* Type 1 and press enter to see all books

Foto

* Type 2 and press enter to search for a book

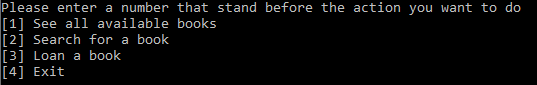


* Press the number that stands before the search you want to do. And after that fill in on what you chose to search for.

## Subscriber

## 

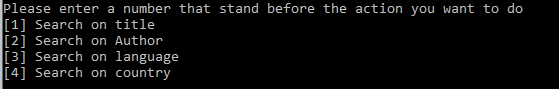
* Type 2 and press enter. After that fill in your username (it has to exist else it won’t work, username that works: Reech1950)



* Type 1 and press enter to see all books

Foto

* Type 2 and press enter to search for a book

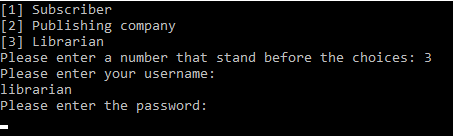


* + Press the number that stands before the search you want to do. And after that fill in on what you chose to search for.
* Type 3 and press enter to loan a book



* + Give the title of the book you want to loan

## Librarian



* Type 2 and press enter. After that fill in your username and password (Username is visible in the picture below and the password = librarian )

