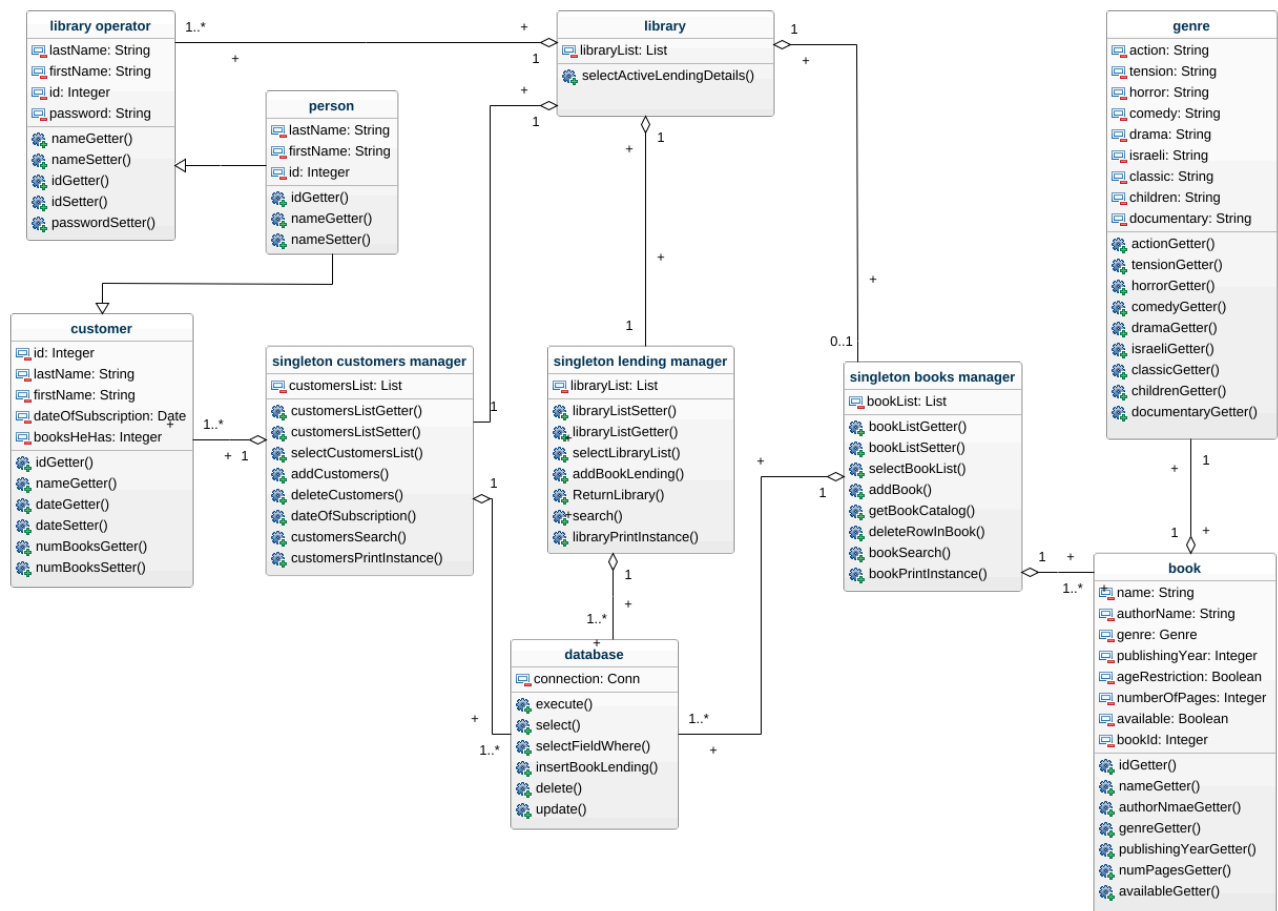




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LibraryUML (Model)



class-diagram

1. Conn (DataType)

In LibraryUML

2. DataType (DataType)

In LibraryUML

3. Date (DataType)

In LibraryUML

4. Genre (DataType)

In LibraryUML

5. List (DataType)

In LibraryUML

6. book (Class)

In LibraryUML

Attributes
name : String [1]
authorName : String [1]
genre : Genre [1]
publishingYear : Integer [1]
ageRestriction : Boolean [1]
numberOfPages : Integer [1]
available : Boolean [1]
bookId : Integer [1]
Operations
idGetter
nameGetter
authorNmaeGetter
genreGetter
publishingYearGetter
numPagesGetter
availableGetter
Associations
singleton books manager_book - : singleton books manager [1] - see definition
book_genre - : genre [1] - see definition

7. customer (Class)

In LibraryUML

Attributes
id : Integer [1]
lastName : String [1]
firstName : String [1]
dateOfSubscription : Date [1]

Attributes
booksHeHas : Integer [1]
Operations
idGetter
nameGetter
dateGetter
dateSetter
numBooksGetter
numBooksSetter
Associations
singleton costumers manager_costumer - : singleton customers manager [1] - see definition

8. database (Class)

In LibraryUML

Attributes
connection : Conn [1]
Operations
execute
select
selectFieldWhere
insertBookLending
delete
update
Associations
singleton costumers manager_database - : singleton customers manager [1] - see definition
singleton lending manager_database - : singleton lending manager [1] - see definition
singleton books manager_database - : singleton books manager [1] - see definition

9. genre (Class)

In LibraryUML

Attributes
action : String [1]
tension : String [1]

Attributes
horror : String [1]
comedy : String [1]
drama : String [1]
israeli : String [1]
classic : String [1]
children : String [1]
documentary : String [1]
Operations
actionGetter
tensionGetter
horrorGetter
comedyGetter
dramaGetter
israeliGetter
classicGetter
childrenGetter
documentaryGetter
Associations
book_genre - : book [1] - see definition

10. library (Class)

In LibraryUML

Attributes
libraryList : List [1]
Operations
selectActiveLendingDetails
Associations
library_singleton lending manager - : singleton lending manager [1] - see definition
library_library operator - : library operator [1..*] - see definition
library_singleton costumers manager - : singleton customers manager [1] - see definition
library_singleton books manager - : singleton books manager [0..1] - see definition

11. library operator (Class)

In LibraryUML

Attributes
lastName : String [1]
firstName : String [1]
id : Integer [1]
password : String [1]
Operations
nameGetter
nameSetter
idGetter
idSetter
passwordSetter
Associations
library_library operator - : library [1] - see definition

12. person (Class)

In LibraryUML

Extends

- library operator - see [definition](#)
- customer - see [definition](#)

Attributes
lastName : String [1]
firstName : String [1]
id : Integer [1]
Operations
idGetter
nameGetter
nameSetter

13. singleton books manager (Class)

In LibraryUML

Attributes
bookList : List [1]
Operations
bookListGetter
bookListSetter
selectBookList
addBook
getBookCatalog
deleteRowInBook
bookSearch
bookPrintInstance
Associations
singleton books manager_database - : database [1..*] - see definition
singleton books manager_book - : book [1..*] - see definition
library_singleton books manager - : library [1] - see definition

14. singleton customers manager (Class)

In LibraryUML

Attributes
customersList : List [1]
Operations
customersListGetter
customersListSetter
selectCustomersList
addCustomers
deleteCustomers
dateOfSubscription
customersSearch
customersPrintInstance
Associations
singleton costumers manager_database - : database [1..*] - see definition
library_singleton costumers manager - : library [1] - see definition

Associations
singleton costumers manager_costumer - : customer [1..*] - see definition

15. singleton lending manager (Class)

In LibraryUML

Attributes
libraryList : List [1]
Operations
libraryListSetter
libraryListGetter
selectLibraryList
addBookLending
ReturnLibrary
search
libraryPrintInstance
Associations
singleton lending manager_database - : database [1..*] - see definition
library_singleton lending manager - : library [1] - see definition