

GIT Department of Computer Engineering
CSE 222/505 - Spring 2020
Homework 6 Report

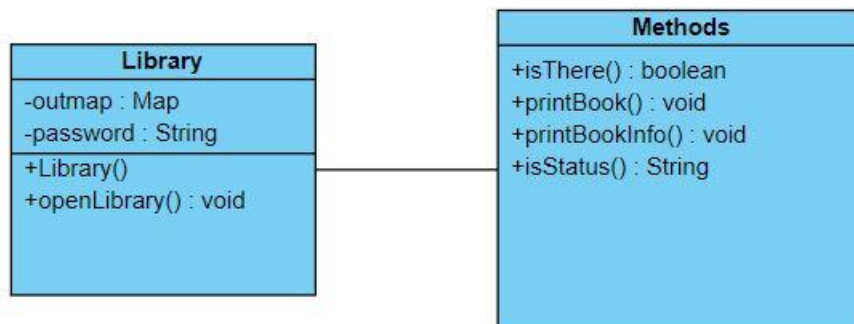
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Q2

The codes of this section are in the hw6 package

Q3

CLASS DIAGRAM



PROBLEM SOLUTION APPROACH

If user wants to enter the invalid status(except “available” , “not-available” or “reserved”) program warns user ask again.

If user wants to delete or update not-exist book program warn user and return user menu.

If user wants to update book information and there is another book that location , program warns user and return main menu.

If customer wants to search not-exist book or writer program warns user and return user menu.

TEST CASES

Admin Operation Test

Test Case Name	Test Step	Action	Test Data	Expected Result	Test Result	Note
Admin Add Book	1	User choose admin type	"1"	System should ask password	System ask password	
Admin Add Book	2.	Admin enter password	Password	System should accept and open admin menu	System open admin menu	
Admin Add Book	3	Admin choose "Add Book" option	"1"	System should ask writer name	System ask writer name	
Admin Add Book	4	Admin enter writer name	WriterName	System should ask book name	System ask book name	
Admin Add Book	5	Admin enter book name	BookName	System should ask corridor number	System ask corridor number	
Admin Add Book	6	Admin enter corridor number	CorridorNum	System should ask shelf number	System ask shelf number	
Admin Add Book	7	Admin enter shelf number	ShelfNum	System should ask Status	System ask Status	

Admin Add Book	8	Admin enter status	Status	System should add book and print "DONE"	System add book and print "DONE"	
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Test Case Name	Test Step	Action	Test Data	Expected Result	Test Result	Note
Admin Delete Book	1	User choose admin type	"1"	System should ask password	System ask password	
Admin Delete Book	2.	Admin enter password	Password	System should accept and open admin menu	System open admin menu	
Admin Delete Book	3	Admin choose "Delete Book" option	"2"	System should ask writer name	System ask writer name	
Admin Delete Book	4	Admin enter writer name	WriterName	System should ask book name	System ask book name	
Admin Delete Book	5	Admin enter book name	BookName	System should delete book and print "DONE"	System delete book and print "DONE"	

Test Case Name	Test Step	Action	Test Data	Expected Result	Test Result	Note
Admin Update Book Information	1	User choose admin type	"1"	System should ask password	System ask password	

Admin Update Book Information	2.	Admin enter password	Password	System should accept and open admin menu	System open admin menu	
Admin Update Book Information	3	Admin choose "Add Book" option	"1"	System should ask writer name	System ask writer name	
Admin Update Book Information	4	Admin enter writer name	WriterName	System should ask book name	System ask book name	
Admin Update Book Information	5	Admin enter book name	BookName	System should ask corridor number	System ask corridor number	
Admin Update Book Information	6	Admin enter corridor number	CorridorNum	System should ask shelf number	System ask shelf number	
Admin Update Book Information	7	Admin enter shelf number	ShelfNum	System should ask new corridor number	System ask new corridor number	
Admin Update Book Information	8	Admin enter new corridor number	CorridorNum	System should ask new shelf number	System ask shelf new number	
Admin Update Book Information	9	Admin enter new shelf number	ShelfNum	System should ask new status	System ask new status	
Admin Update Book Information	10	Admin enter new status	Status	System should update book information and print "DONE"	System update book information and print "DONE"	

Test Case Name	Test Step	Action	Test Data	Expected Result	Test Result	Note
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Admin Delete Non- Exist Book	1	User choose admin type	"1"	System should ask password	System ask password	
Admin Delete Non- Exist Book	2.	Admin enter password	Password	System should accept and open admin menu	System open admin menu	
Admin Delete Non- Exist Book	3	Admin choose "Delete Book" option	"2"	System should ask writer name	System ask writer name	
Admin Delete Non- Exist Book	4	Admin enter writer name	WriterName	System should ask book name	System ask book name	
Admin Delete Non- Exist Book	5	Admin enter book name	BookName	System should warn user and return main menu	System warn user and return main menu	

Test Case Name	Test Step	Action	Test Data	Expected Result	Test Result	Note
Admin Update Book Information With Wrong Location	1	User choose admin type	"1"	System should ask password	System ask password	
Admin Update Book Information With Wrong Location	2.	Admin enter password	Password	System should accept and open admin menu	System open admin menu	
Admin Update Book Information With Wrong Location	3	Admin choose "Add Book" option	"1"	System should ask writer name	System ask writer name	
Admin Update Book Information With Wrong Location	4	Admin enter writer name	WriterName	System should ask book name	System ask book name	
Admin Update Book Information With Wrong Location	5	Admin enter book name	BookName	System should ask corridor number	System ask corridor number	
Admin Update Book Information With Wrong Location	6	Admin enter corridor number	CorridorNum	System should ask shelf number	System ask shelf number	
Admin Update Book Information With Wrong Location	7	Admin enter shelf number	ShelfNum	System should warn user and return user menu	System warn user and return user menu	

Customer Operation Test

Test Case Name	Test Step	Action	Test Data	Expected Result	Test Result	Note
Customer Search Book With Writer Name	1	User choose customer type	"2"	System should open customer menu	System open customer menu	
Customer Search Book With Writer Name	2.	Customer choose "Search With Writer Name" option	"1"	System should ask writer name	System ask writer name	
Customer Search Book With Writer Name	3	Customer enter writer name	WriterName	System should print writer's book and ask choose one of these	System print writer's book and ask choose one of these	
Customer Search Book With Writer Name	4	Customer enter book name	BookName	System should print book location and status	System print book location and status	

Test Case Name	Test Step	Action	Test Data	Expected Result	Test Result	Note
Customer Search Book With Book Name	1	User choose customer type	"2"	System should open customer menu	System open customer menu	
Customer Search Book With Writer Name	2.	Customer choose "Search With Book Name" option	"2"	System should ask book name	System ask book name	
Customer Search Book With Writer Name	3	Customer enter book name	BookName	System should print book location and status	System print book location and status	

Test Case Name	Test Step	Action	Test Data	Expected Result	Test Result	Note
Customer Search Non-Exist Book With Book Name	1	User choose customer type	"2"	System should open customer menu	System open customer menu	
Customer Search Non-Exist Book With Book Name	2.	Customer choose "Search With Book Name" option	"2"	System should ask book name	System ask book name	
Customer Search Non-Exist Book With Book Name	3	Customer enter book name	BookName	System should warn user and return user menu	System warn user and return user menu	

RUNNING COMMAND AND RESULT

```

main.java Application.java Program Files\java\jre\bin
Enter User Type Number (1/2)
  1-Admin
  2-Customer
  3-Exit
1
Please Enter Password
12345
WELCOME ADMIN

Choose Operation Number
  1-Add Book
  2-Delete Book
  3-Update Book Information
  4-Return Menu
1
Enter Book Writer
ATATURK
Enter Book Name NUTUK
Enter Corridor Number 1
Enter Shelf Number 1
Enter Status :available
DONE

Choose Operation Number
  1-Add Book
  2-Delete Book
  3-Update Book Information
  4-Return Menu

```

```
Choose Operation Number
1-Add Book
2-Delete Book
3-Update Book Information
4-Return Menu
```

```
3
```

```
Enter Book Writer
```

```
ATATURK
```

```
Enter Book Name NUTUK
```

```
Enter Corridor Number 1
```

```
Enter Shelf Number 1
```

```
Enter New Corridor Number
```

```
2
```

```
Enter New Shelf Number
```

```
2
```

```
Enter New Status
```

```
not-available
```

```
DONE
```

```
Choose Operation Number
1-Add Book
2-Delete Book
3-Update Book Information
4-Return Menu
```

```
2
```

```
Enter Book Writer
```

```
ATATURK
```

```
Enter Book Name NUTUK
```

```
DONE
```

```
Choose Operation Number
1-Search With Writer Name
2-Search With Book Name
3-Return Main Menu
```

```
1
```

```
Enter Writer Name ATATURK
```

```
Choose The Book Name
```

```
1-NUTUK
```

```
NUTUK
```

```
1 Location : not-available c:2 s:2
```

```
2 Location : not-available c:2 s:2
```

```
Choose Operation Number
```

```
1-Search With Writer Name
```

```
2-Search With Book Name
```

```
3-Return Main Menu
```

```
2
```

```
Enter Book Name
```

```
DEVLET
```

```
Writer : PLATON
```

```
1 Location : available c:2 s:1
```

```
Choose Operation Number
```

```
Choose Operation Number
1-Add Book
2-Delete Book
3-Update Book Information
4-Return Menu
2
Enter Book Writer
ATATURK
Enter Book Name DEVLET
There is no this name book
```

```
Choose Operation Number
1-Search With Writer Name
2-Search With Book Name
3-Return Main Menu
2
Enter Book Name
METAFIZIK
There is no this name book
Choose Operation Number
```