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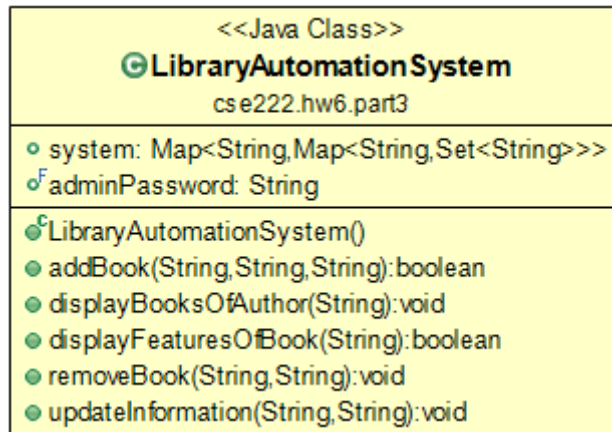
CSE 222/505 - Spring 2020

Homework #6 Part 3 Report

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CLASS DIAGRAM

<<Java Class>>
© LibraryAutomationSystem
cse222.hw6.part3

○ system: Map<String,Map<String,Set<String>>>
○F adminPassword: String

○C LibraryAutomationSystem()
● addBook(String,String,String):boolean
● displayBooksOfAuthor(String):void
● displayFeaturesOfBook(String):boolean
● removeBook(String,String):void
● updateInformation(String,String):void

TEST CASES

TEST ID	Scenario	Test Data	Expected Results	Actual Results	Pass/ Fail
TEST01	Giving Invalid author name	murat	Successfully Printed	As Expected	Pass
TEST02	Giving Invalid book name	kalem	Successfully Return false	As Expected	Pass
TEST03	Giving Invalid admin password	1655	Successfully Printed	As Expected	Pass
TEST04	Add book	Author: murat Book : kalem Location: C5.S7.L9	Successfully Added	As Expected	Pass
TEST05	Search by book name	kalem	Successfully Printed	As Expected	Pass
TEST06	Search by author name	murat	Successfully Printed	As Expected	Pass
TEST07	Update location	Location: C5.S7.L9 New Location: C3.S6.L3	Successfully Updated	As Expected	Pass
TEST08	Delete book	Author: murat Book : kalem Location: C3.S6.L3	Successfully Printed	As Expected	Pass

RUNNING AND RESULTS

TEST01

```
Welcome to Library Automation System

1- Searching by author name

2- Searching by book title

3- Enter as administrator

4- Exit
1

Please enter author's name: murat

! invalid input !
```

TEST02

```
Welcome to Library Automation System

1- Searching by author name

2- Searching by book title

3- Enter as administrator

4- Exit
2

Please enter name of the book: kalem
```

TEST03

```
 Welcome to Library Automation System

 1- Searching by author name

 2- Searching by book title

 3- Enter as administrator

 4- Exit
3


 Enter the password to move on as administrator
15191
|

 ! Password you entered doesn't match with system password !
```

TEST04

Welcome to Library Automation System

1- Searching by author name

2- Searching by book title

3- Enter as administrator

4- Exit
3

Enter the password to move on as administrator
1234

Select the operation you want to do as administrator

1- Add book

2- Delete book

3- Update information
1

Please enter author of the book: murat

Please enter name of the book: kalem

Please enter corridor where book is: 5

Please enter shelf where book is: 7

Please enter Line where book is: 9
|
TEST05

```
Welcome to Library Automation System

1- Searching by author name

2- Searching by book title

3- Enter as administrator

4- Exit
2

Please enter name of the book: kalem


- Book Name: kalem
- Book Author: murat
- Book Locations: [C5.S7.L9]

Welcome to Library Automation System

1- Searching by author name

2- Searching by book title

3- Enter as administrator

4- Exit
```

TEST06

```
Welcome to Library Automation System

1- Searching by author name

2- Searching by book title

3- Enter as administrator

4- Exit
1

Please enter author's name: murat

 - Author's books:

 - Book name: kalem

 - Please enter the book name you want to display as a word: kalem

 - Book Locations: [C5.S7.L9]
```

TEST07

Select the operation you want to do as administrator

1- Add book

2- Delete book

3- Update information
3

Please enter author of the book you want to update: murat

Please enter name of the book you want to update: kalem

- Book Locations:
- C5.S7.L9

Please enter location information of the book you want to update:

Please enter corridor where book is: 5

Please enter shelf where book is: 7

Please enter Line where book is: 9

Please enter new location information to update location:

Please enter corridor where book will be: 3

Please enter shelf where book will be: 6

Please enter Line where book will be: 3

```
Welcome to Library Automation System

1- Searching by author name

2- Searching by book title

3- Enter as administrator

4- Exit
2

Please enter name of the book: kalem


 - Book Name: kalem
 - Book Author: murat
 - Book Locations: [C3.S6.L3]

Welcome to Library Automation System

1- Searching by author name

2- Searching by book title

3- Enter as administrator

4- Exit
```

```
Welcome to Library Automation System

1- Searching by author name

2- Searching by book title

3- Enter as administrator

4- Exit
3


Enter the password to move on as administrator
1234


Select the operation you want to do as administrator

1- Add book

2- Delete book

3- Update information
2

Please enter name of the book you want to delete: kalem

Please enter author of the book you want to delete: murat


- Book Locations:
- C3.S6.L3

Please enter location information of the book you want to delete:

Please enter corridor where book is: 3

Please enter shelf where book is: 6

Please enter Line where book is: 3
```

```
Welcome to Library Automation System

1- Searching by author name

2- Searching by book title

3- Enter as administrator

4- Exit
2

Please enter name of the book: kalem


- Book Name: kalem
- Book Author: murat
- Book Locations: []

Welcome to Library Automation System

1- Searching by author name

2- Searching by book title

3- Enter as administrator

4- Exit

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