

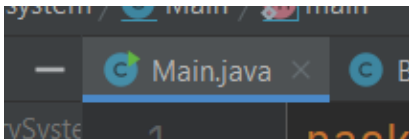
Project title: **Work space System**

About the Project and Overview:

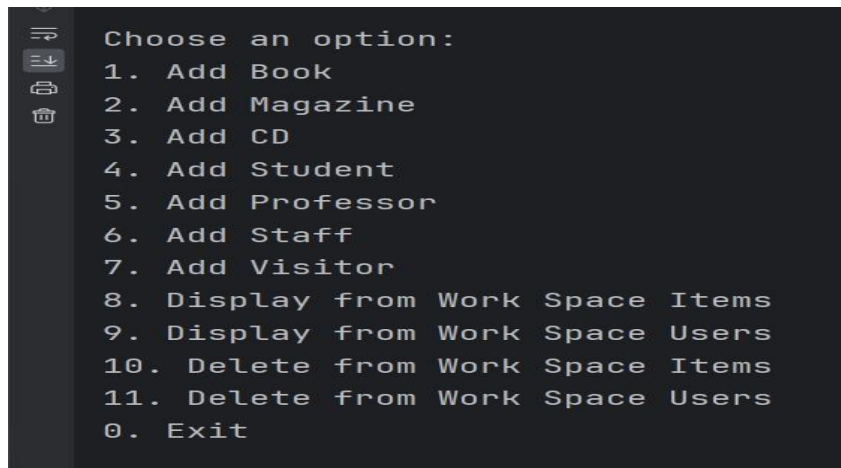
The Work space Management System is a Java-based application crafted to streamline Work space operations. Connecting to a SQL database, the system offers a user-friendly interface for efficient management of items (books, magazines, CDs) and users (students, professors, staff, visitors). Built with a focus on input validation, exception handling, and object-oriented principles, the project ensures data integrity, scalability, and a reliable user experience, revolutionizing library management.

Get started: (you must install MySQL in your PC to be connected to database)

1. You have to run the program from the main class



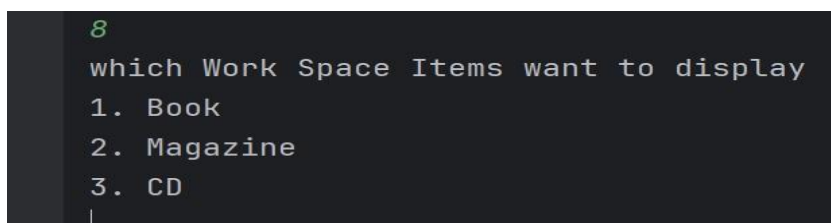
2. Then you can choose one number to choose which operation to do



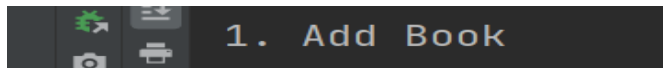
3. For example if you want to display an item you have to choose number(8)

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8. Display from Work Space Items
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,and then choose the number of the type you want from the items

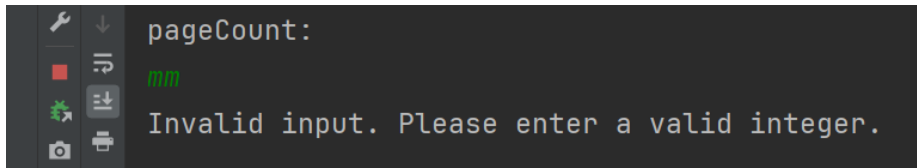


4. If you want to add an item ,such as book choose number (1) and then add its details (title and author and the page count)

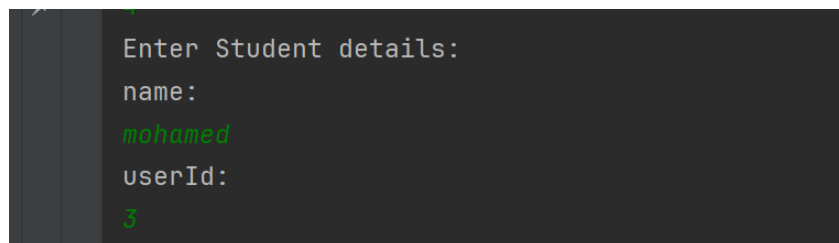
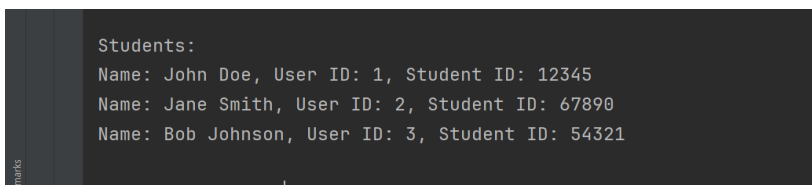


5. (Important note) : you have to enter data in the right data type :

Ex: if you entered litters in the page count section , the warning message would appear .



6. (Another important note) : you are not allowed to enter a repeatable ID , or you will face an error .



```
int : java.sql.SQLIntegrityConstraintViolationException: Duplicate entry '3' for key 'student.PRIMARY
arySystem.addStudent(LibrarySystem.java:150)
```

7. If you want to exit , just choose (0)

