



A Mini-Project Report On
ONLINE BOOKSTORE

By

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Introduction:

Our project explains about the Online Bookstore Application.

The name of the online bookstore is “World of books”.

This project mainly explains about the actions related on online shopping of books.

Modules:

- Available Books
- Search by Book Name
- Search by Author Name
- About the bookstore
- Help-desk

It is a console-based project. I have developed this application using Core Java-8, MySQL, JDBC and JUnit-5.

The main feature of the project is to enhance the accessibility of the books that a customer wants to read. He/She can buy his/her books easily from this application.

In **Available Books Module**, the user can see all the books available in the bookstore.

In **Search by Book Name Module**, the user can get the required book by simply typing the name of the book.

In **Search by Author Name Module**, the user can get the required book by simply typing the name of the author.

In **About the Bookstore Module**, the user can able to see all the facilities that are available in the book store.

In **Help-desk Module**, the user can freely clarify the issues related to the shopping with us.

Data Dictionary:

Table Creation:

Books Table:

The screenshot displays the MySQL Workbench interface. The 'SCHEMAS' panel on the left shows the 'bookstore_db' database selected. The central editor window shows the SQL code for creating the 'Books' table:

```
4  
5 • create table Books  
6 (  
7   bookId int primary key,  
8   bookName varchar(20) not null,  
9   authorName varchar(15) not null,  
10  publication varchar(25) not null,  
11  genre varchar(25) not null,  
12  price bigint not null  
13 )
```

Below the SQL editor, the 'Result Grid' shows the data for the 'Books' table:

bookId	bookName	authorName	publication	genre	price
1	Java Programming	E.Balagurusamy	Margham Publication	Education-Non fiction	500
2	Harry Potter	J.K.Rowling	Bloomsbury	Fantasy	1000
3	Ponniyin Selvan	Kalki	Mangala Noolagam	Historical Fiction	1000
4	Sherlock Holmes	Suzanne,Raymond	Sleuth Publications	Detective Fiction	1500
5	The Alchemist	Paulo Coelho	Brazilian Publication	Fantasy-Fiction	1000
6	C++ Programming	Balagurusamy	Margham Publication	Education-Non fiction	800
7	Life of Pie	Yann Martel	Knopf Canada	Adventure-fiction	1500
8	Kadal Pura	Sandilyan	Vanathi Pathippagam	Historical Novel	500
9	Python	John Mnemonic	Tata Mc Graw Hill	Education-Non fiction	1800
10	Data Structure	Alfred V.Aho	Pearson Publication	Education-Non fiction	2000

The 'Output' panel at the bottom shows the execution of the SQL command, indicating that 0 rows were affected.

User Details Table:

The screenshot displays the MySQL Workbench interface. On the left, the 'SCHEMAS' pane shows a tree view with 'bookstore_db' expanded, containing 'Tables', 'Views', 'Stored Procedures', and 'Functions'. Below it, 'studentdb' is also listed. The main editor window shows a SQL script to create a table named 'PersonDetails' with the following columns and constraints:

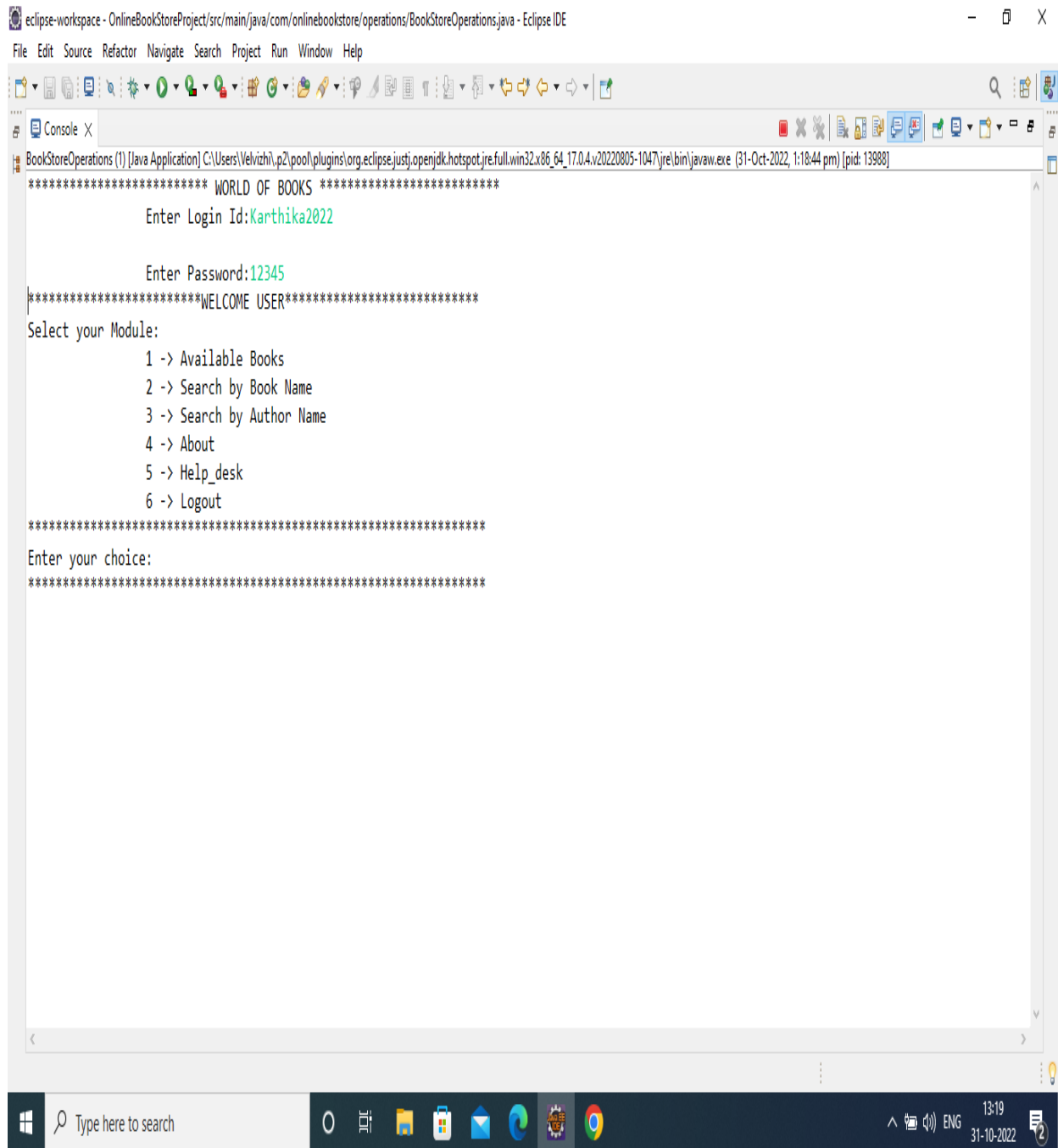
```
create table PersonDetails
(
  personId int primary key,
  name varchar(20) not null,
  emailId varchar(20) unique not null,
  loginId varchar(20) not null,
  password varchar(20) not null,
  phoneNumber varchar(10) unique not null,
  address varchar(25) not null
);
```

Below the SQL editor, the 'Result Grid' shows the data for the 'PersonDetails' table. The table has 10 rows of data. The columns are: personId, name, emailId, loginId, password, phoneNumber, and address.

personId	name	emailId	loginId	password	phoneNumber	address
101	Karthika	karthika@gmail.com	Karthika2022	12345	7894567981	Chennai
102	Keerthana	keerthana@gmail.com	Keerthana2022	13245	8879540135	Bangalore
103	Abirami	abirami@gmail.com	Abirami2022	14325	7467901264	Hyderabad
104	Raju	raju@gmail.com	Raju2022	12435	9845320213	Kolkata
105	Kamalni	kamalni@gmail.com	Kamalni2022	18734	9500432198	Delhi
106	Gokul	gokul@gmail.com	Gokul2022	19834	9321900545	Mysore
107	Monisha	monisha@gmail.com	Monisha2022	18843	8544109436	Hyderabad
108	Anil	anil@gmail.com	Anil2022	15583	9216582396	Patna
109	Deepika	deepika@gmail.com	Deepika2022	16743	8890452815	Chennai
110	Yamini	yamini@gmail.com	Yamini2022	15923	7055230616	Bangalore

At the bottom, the 'Output' pane shows the execution of the SQL script. The message indicates that 10 rows were returned, and the duration was 0.032 seconds.

Login Page:



```
eclipse-workspace - OnlineBookStoreProject/src/main/java/com/onlinebookstore/operations/BookStoreOperations.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

BookStoreOperations (1) [Java Application] C:\Users\Velvizhi\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (31-Oct-2022, 1:18:44 pm) [pid: 13988]

***** WORLD OF BOOKS *****
Enter Login Id:Karthika2022

Enter Password:12345
*****WELCOME USER*****
Select your Module:
1 -> Available Books
2 -> Search by Book Name
3 -> Search by Author Name
4 -> About
5 -> Help_desk
6 -> Logout
*****
Enter your choice:
*****
```

Available Books Table:

eclipse-workspace - OnlineBookStoreProject/src/main/java/com/onlinebookstore/operations/BookStoreOperations.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

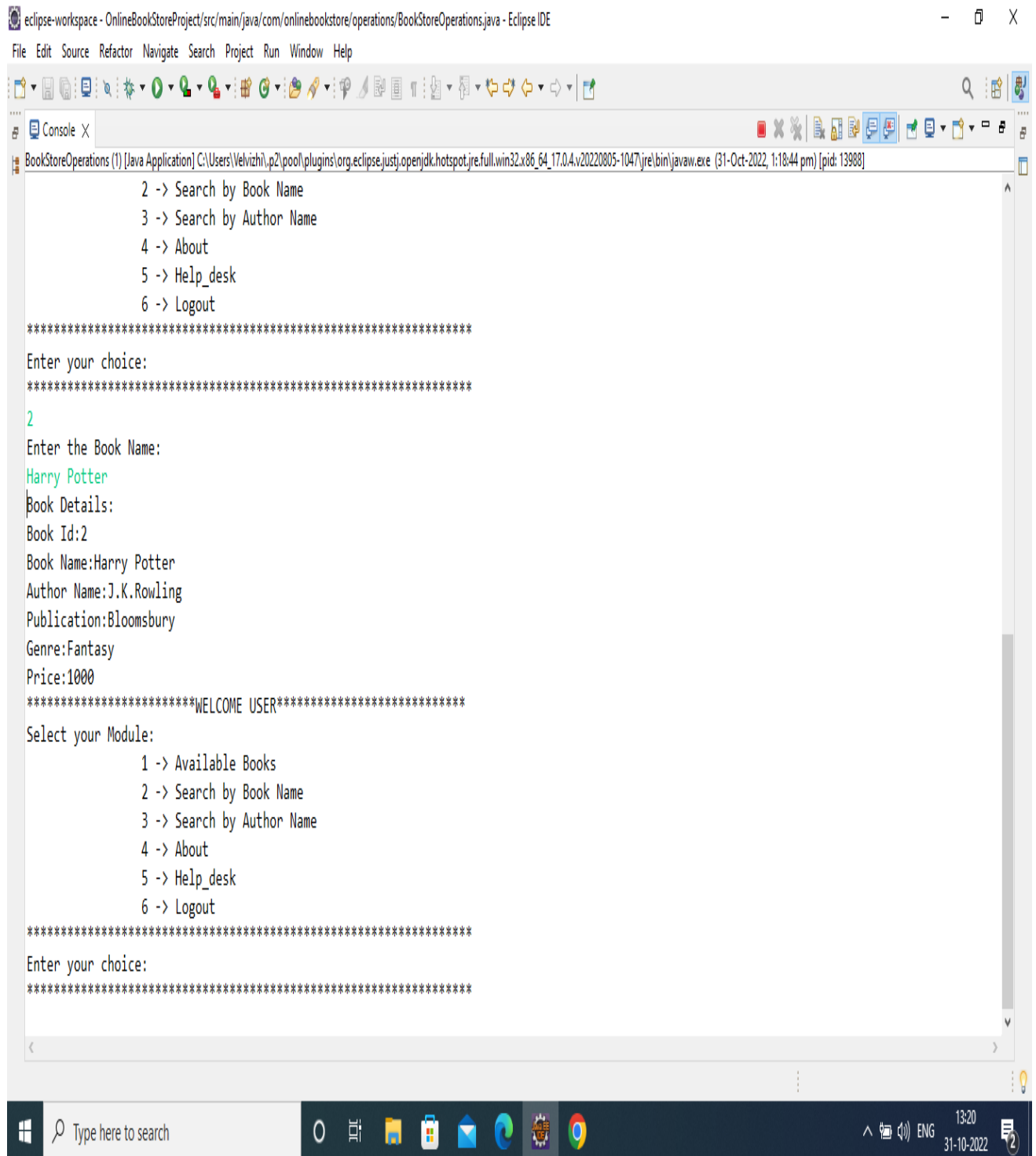
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```
*****
1
-----
      BookId      BookName      AuthorName      Publication      Genre      Price
-----
      1      Java Programming      E.Balagurusamy      Margham Publication      Education-Non fiction      500
      2      Harry Potter      J.K.Rowling      Bloomsbury      Fantasy      1000
      3      Ponnaiyin Selvan      Kalki      Mangala Noolagam      Historical Fiction      1000
      4      Sherlock Holmes      Suzanne, Raymond      Sleuth Publications      Detective Fiction      1500
      5      The Alchemist      Paulo Coelho      Brazilian Publication      Fantasy-Fiction      1000
      6      C++ Programming      Balagurusamy      Margham Publication      Education-Non fiction      800
      7      Life of Pie      Yann Martel      Knopf Canada      Adventure-fiction      1500
      8      Kadal Pura      Sandilyan      Vanathi Pathippagam      Historical Novel      500
      9      Python      John Mnemonic      Tata Mc Graw Hill      Education-Non fiction      1800
     10      Data Structure      Alfred V.Aho      Pearson Publication      Education-Non fiction      2000
-----
*****WELCOME USER*****
Select your Module:
    1 -> Available Books
    2 -> Search by Book Name
    3 -> Search by Author Name
    4 -> About
    5 -> Help_desk
    6 -> Logout
*****
Enter your choice:
*****
```

Type here to search

13:19 31-10-2022

Search by Book Name:



```
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File Edit Source Refactor Navigate Search Project Run Window Help

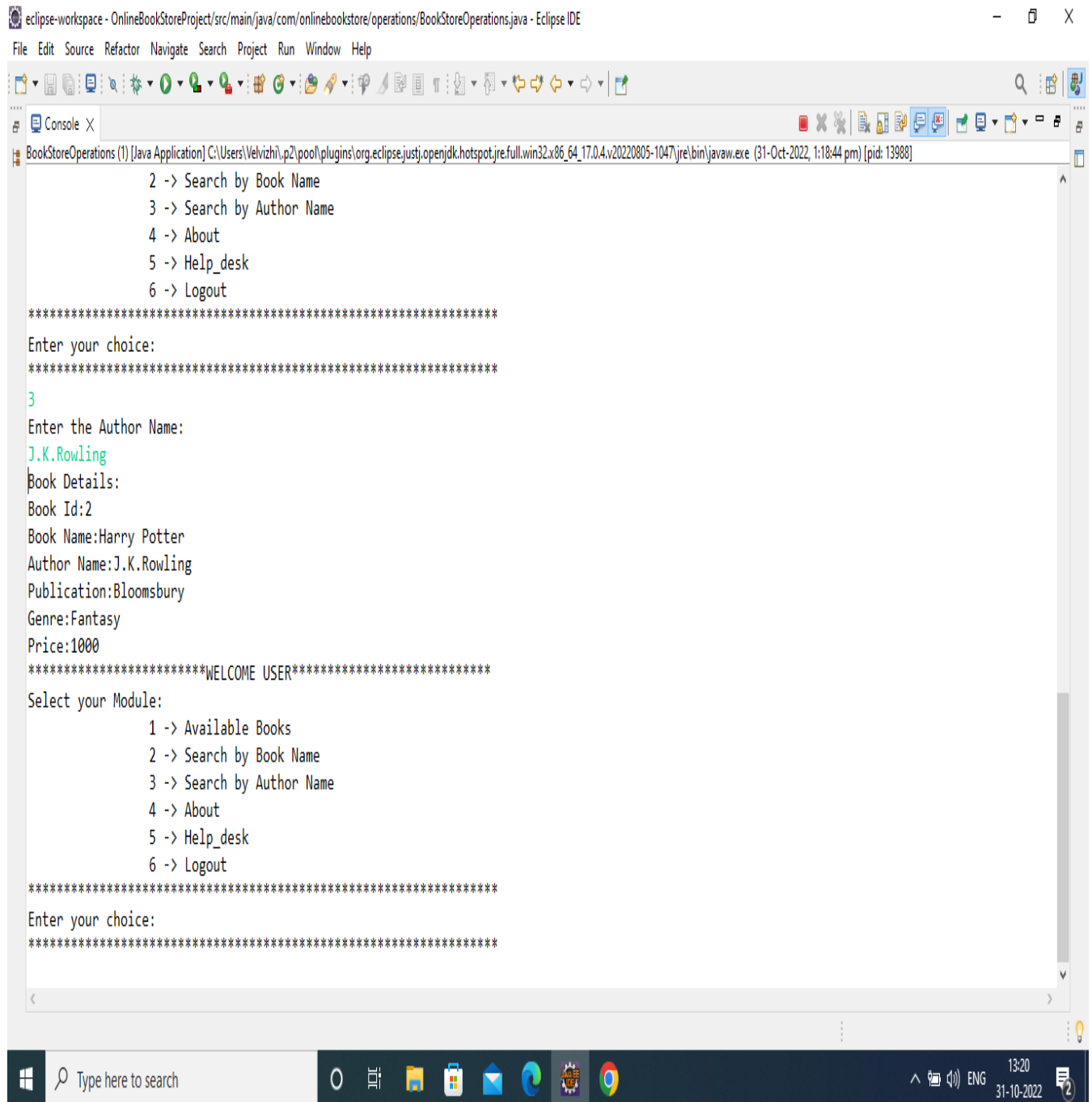
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2 -> Search by Book Name
3 -> Search by Author Name
4 -> About
5 -> Help_desk
6 -> Logout

*****
Enter your choice:
*****
2
Enter the Book Name:
Harry Potter
Book Details:
Book Id:2
Book Name:Harry Potter
Author Name:J.K.Rowling
Publication:Bloomsbury
Genre:Fantasy
Price:1000
*****WELCOME USER*****
Select your Module:
1 -> Available Books
2 -> Search by Book Name
3 -> Search by Author Name
4 -> About
5 -> Help_desk
6 -> Logout

*****
Enter your choice:
*****
```


Search by Author Name:



```
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File Edit Source Refactor Navigate Search Project Run Window Help

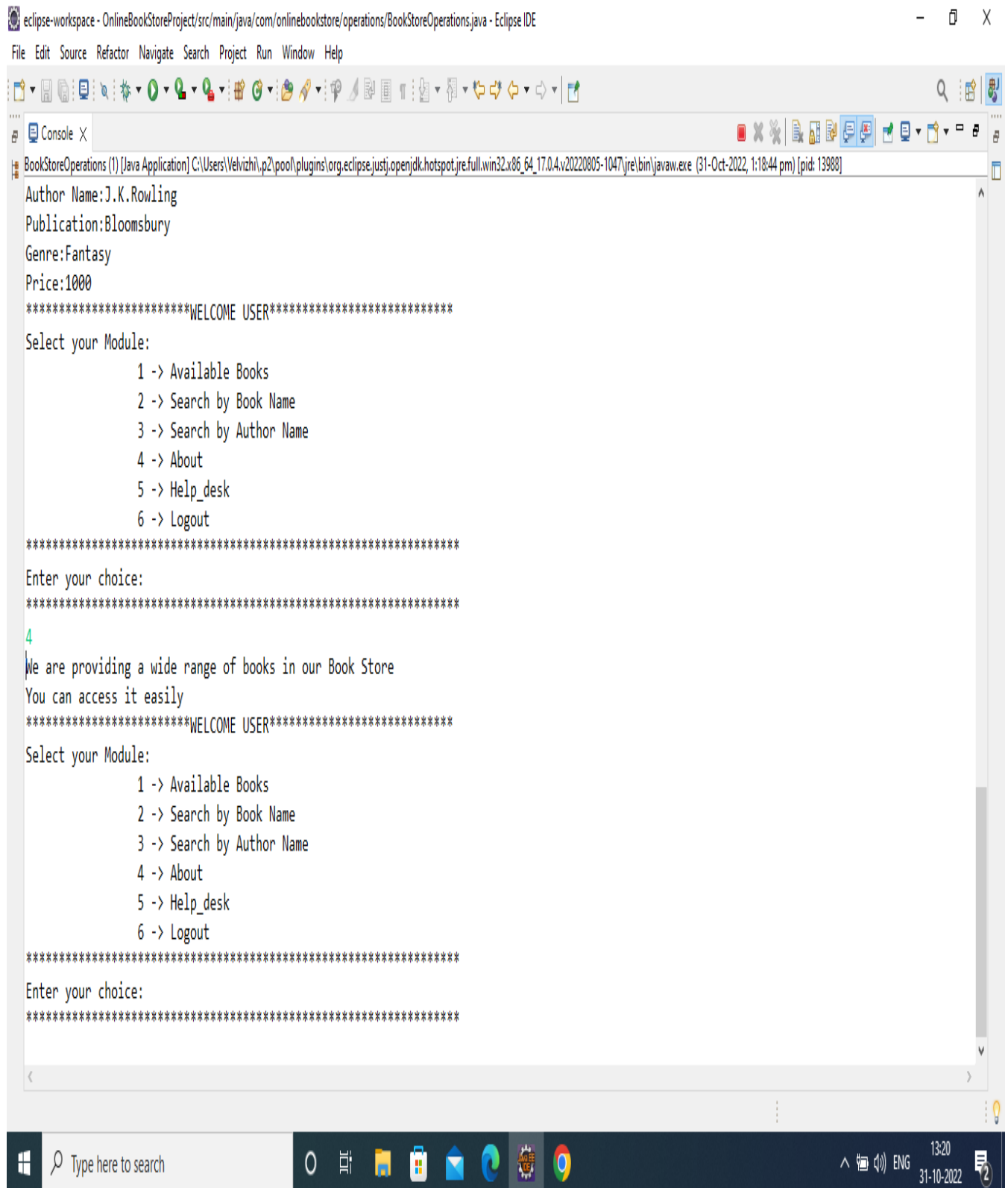
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2 -> Search by Book Name
3 -> Search by Author Name
4 -> About
5 -> Help_desk
6 -> Logout

*****
Enter your choice:
*****
3
Enter the Author Name:
J.K.Rowling
Book Details:
Book Id:2
Book Name:Harry Potter
Author Name:J.K.Rowling
Publication:Bloomsbury
Genre:Fantasy
Price:1000
*****WELCOME USER*****
Select your Module:
1 -> Available Books
2 -> Search by Book Name
3 -> Search by Author Name
4 -> About
5 -> Help_desk
6 -> Logout

*****
Enter your choice:
*****
```

About the Book Store:



```
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Author Name:J.K.Rowling
Publication:Bloomsbury
Genre:Fantasy
Price:1000
*****WELCOME USER*****

Select your Module:
1 -> Available Books
2 -> Search by Book Name
3 -> Search by Author Name
4 -> About
5 -> Help_desk
6 -> Logout

*****

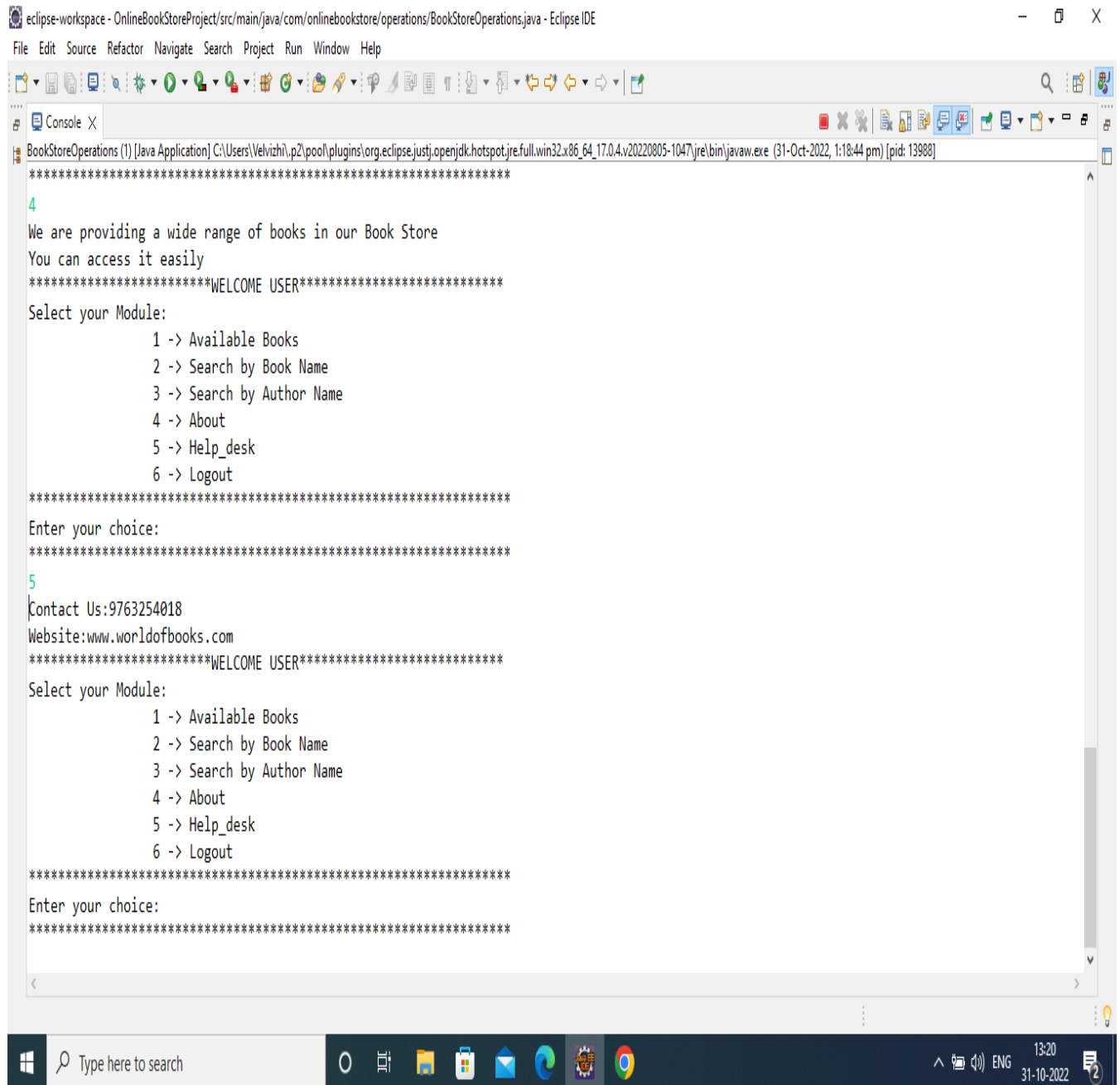
Enter your choice:
*****
4
We are providing a wide range of books in our Book Store
You can access it easily
*****WELCOME USER*****

Select your Module:
1 -> Available Books
2 -> Search by Book Name
3 -> Search by Author Name
4 -> About
5 -> Help_desk
6 -> Logout

*****

Enter your choice:
*****
```

Help-desk:

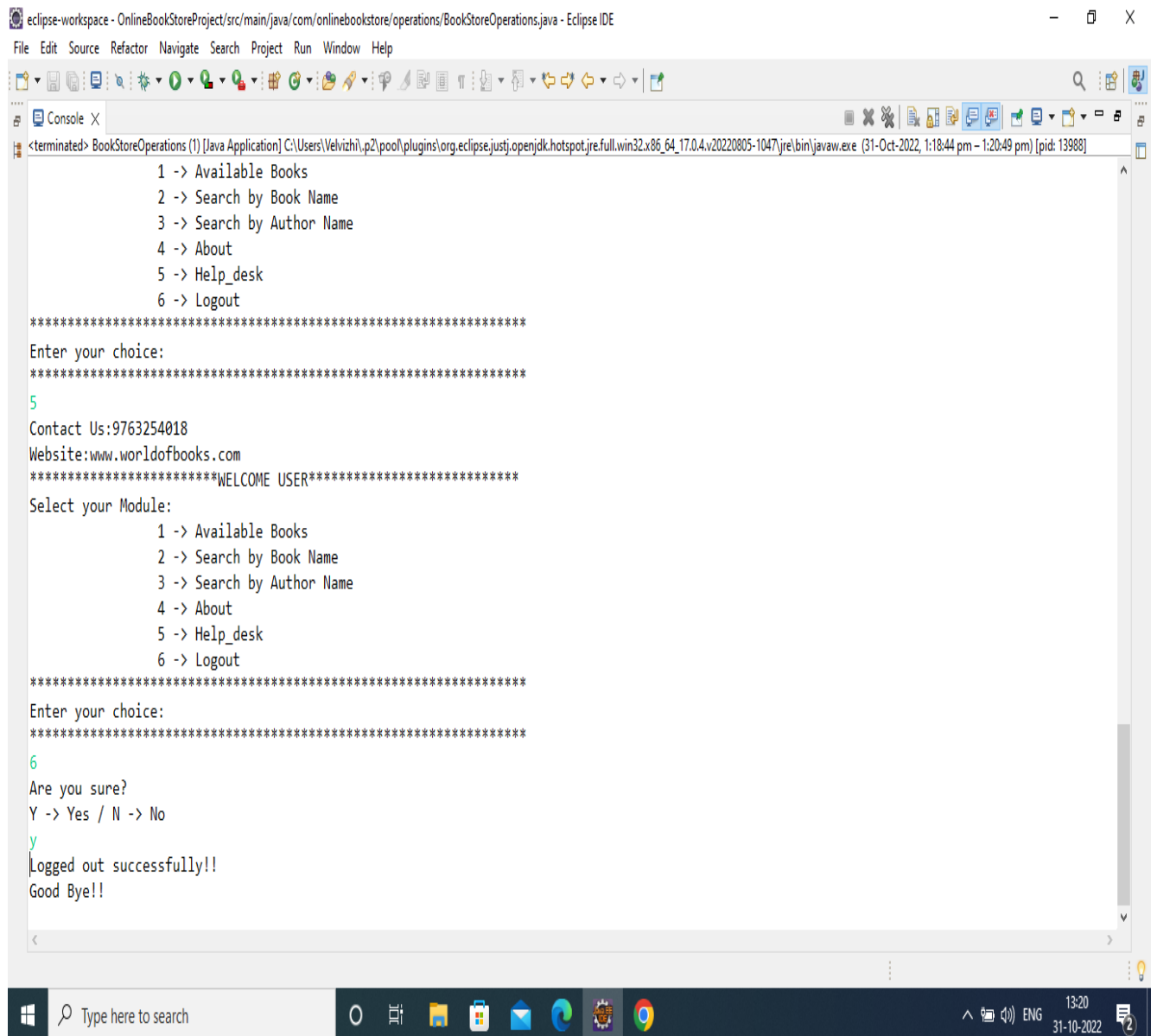


```
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*****
4
We are providing a wide range of books in our Book Store
You can access it easily
*****WELCOME USER*****
Select your Module:
    1 -> Available Books
    2 -> Search by Book Name
    3 -> Search by Author Name
    4 -> About
    5 -> Help_desk
    6 -> Logout
*****
Enter your choice:
*****
5
Contact Us:9763254018
Website:www.worldofbooks.com
*****WELCOME USER*****
Select your Module:
    1 -> Available Books
    2 -> Search by Book Name
    3 -> Search by Author Name
    4 -> About
    5 -> Help_desk
    6 -> Logout
*****
Enter your choice:
*****
```

Log Out Page:



```
eclipse-workspace - OnlineBookStoreProject/src/main/java/com/onlinebookstore/operations/BookStoreOperations.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

<terminated> BookStoreOperations (1) [Java Application] C:\Users\Velvizhi\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220805-1047\jre\bin\javaw.exe (31-Oct-2022, 1:18:44 pm - 1:20:49 pm) [pid: 13988]

1 -> Available Books
2 -> Search by Book Name
3 -> Search by Author Name
4 -> About
5 -> Help_desk
6 -> Logout

*****
Enter your choice:
*****
5
Contact Us:9763254018
Website:www.worldofbooks.com
*****WELCOME USER*****
Select your Module:
1 -> Available Books
2 -> Search by Book Name
3 -> Search by Author Name
4 -> About
5 -> Help_desk
6 -> Logout

*****
Enter your choice:
*****
6
Are you sure?
Y -> Yes / N -> No
y
Logged out successfully!!
Good Bye!!
```

Conclusion:

The above images display the working process of my Online Bookstore Application. I hope it will be useful and easier for the customers to buy books through this application.

Thank You!