**OOPS MINI PROJECT-VOL-2**

**BATCH-2 TEAM-4**

**TEAM MEMBERS:**

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**PROJECT TITLE: “EBOOKSHOP-MANAGEMENT”**

**Module Description:**

This project has 8 modules. They are

* **MAIN CLASS:**

1. **DBcreate**
2. **DBC**

* **JFRAME:**

1. **Front**
2. **User**
3. **Userlog**
4. **NewUser**
5. **Admin**
6. **Adminlog**

**DBcreate:**

This is the fundamental of this project. This class creates the required database-“store” in the system where we implement the program. This class is to be run first to make the database available for the prevailing modules to be accessed.

**DBC:**

This class creates the required tables user, admin, books with the necessary data type specification and fields where the data are to be input. This class is the collection of mandatory functions that are going to be used by the frames. When the user interacts with this project, this class helps the frame by providing the necessary static classes like:

* public static void connect()
* public static void STATE(String a)
* public static void STATEEXEUP(String a)
* public static ResultSet RSEXEQUE(String a,ResultSet b)

**Front:**

This is the initial start page of the project. This frame has two buttons- USER and ADMIN. When user is clicked then a JOptionPane opens up asking-“Already an user??”.If we click yes it directs us to the user sign-in page.

If we click no, it directs us to user sign-up page.

**Userlog:**

This is the login page for user. This asks for Username and password to login. Only existing user name is accepted. If wrong user name is input then a JOptionpane displays showing “Incorrect User Name!!!”.If we give existing user name with wrong password then a JOptionpane displays showing “Incorrect Password!!!”. There is a radio button below the password field. If the radio button is clicked ON then the entered password is visible. Else the password is hidden. At the top right corner there is a back button available. If this button is pressed this page reroutes to the front page. After entering correct username and password if login button is pressed this routes to the page of the bookshop.

**NewUser:**

If we click no in the front page this page gets routed. This page asks for name of the user, user name or nick name, email of the user, a new password to be set, and phone number of the user. None of these cannot be let empty and signup. If left empty is restricts the user to let it empty. If the password is less than 8 characters it asks the user to input strong password. If the phone number is less than 10 characters it asks the user to input correct phone number.

If every field is filled correctly then if the signup button functions properly and creates a new user details into the user table of the store database. Then this page routes us to the user login page.

**User:**

This is the page where the user get the details of the books available in the store. This page has 2 JTables. The first table displays the available books and its details such as Title, Author, Price, Quantity and the unique ID of the book. There is a combo box available bellow the first table. If we click it, the author names of the available books get displayed one by one. If we click the author name the below table displays the specific author’s books one by one with the details. At the top right corner there is a back button which reroutes us to the front page.

**Adminlog:**

This is the login page of the admin. This asks to enter the id of the authorized admin and his password. If an authorized person enters the details it routes to the admin main page.

**Admin:**

This is the main page of the bookshop. Here the admin can alter, update, delete the details of the book.