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Assigned Task

## Task

**Discription :** We have all come across many Payment apps in our smartphone and it is built on Java. This complex project consists of four different classes and is a console-based application. When the system starts the user is prompted with user id and user pin. On entering the details successfully, then payment mini app functionalities are unlocked. The project allows to perform following operations:

- 1. Transactions History
- 2. Send Money
- 3. Add Money
- 4. Quit

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It is a basic console-based Payment Application built using java . The application prompts the user for their user id and pin upon successful login , allows the user id and pin upon start up , and upon successful login , allows the user to access Various functionalities such as viewing transaction history, sending money, adding money, and quitting application . it seems to be a simple project with four main classes and basic functionality

Java Code :-

```
import java.util.Scanner;

public class Login {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter user id: ");

        String userId = scanner.nextLine();

        System.out.print("Enter user pin: ");

        String userPin = scanner.nextLine();
```

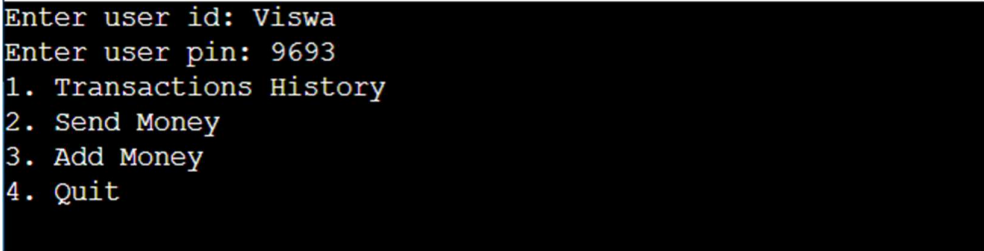
```

        // Validate user id and pin here
    if (validateCredentials(userId, userPin)) {
        displayMainMenu();
    } else {
        System.out.println("Invalid user id or pin. Please try again.");
    }
}

private static boolean validateCredentials(String userId, String userPin) {
    // Validation logic here
    return true;
}

private static void displayMainMenu() {
    System.out.println("1. Transactions History");
    System.out.println("2. Send Money");
    System.out.println("3. Add Money");
    System.out.println("4. Quit");
}
}

```



```

Enter user id: Viswa
Enter user pin: 9693
1. Transactions History
2. Send Money
3. Add Money
4. Quit

```

This Class prompts the user for their user id and pin then calls the Validate Credentials method to check the entered credentials . if the credentials are valid , it calls the display Main Menu method to show the available options to the user .

For the transactions history, sending money, adding money and quit functionality , you would need to create separate classes for each functionality and call then when the user selects the Corresponding option from main menu .

Its important to note that this is a simple implementation that does not include any security measures such as encryption or secure storage of user credentials.in a real world implementation, these measures such as encryption or secure storage of user credentials . in a real world implementation, these measures would be necessary to protect sensitive user data.