

## README

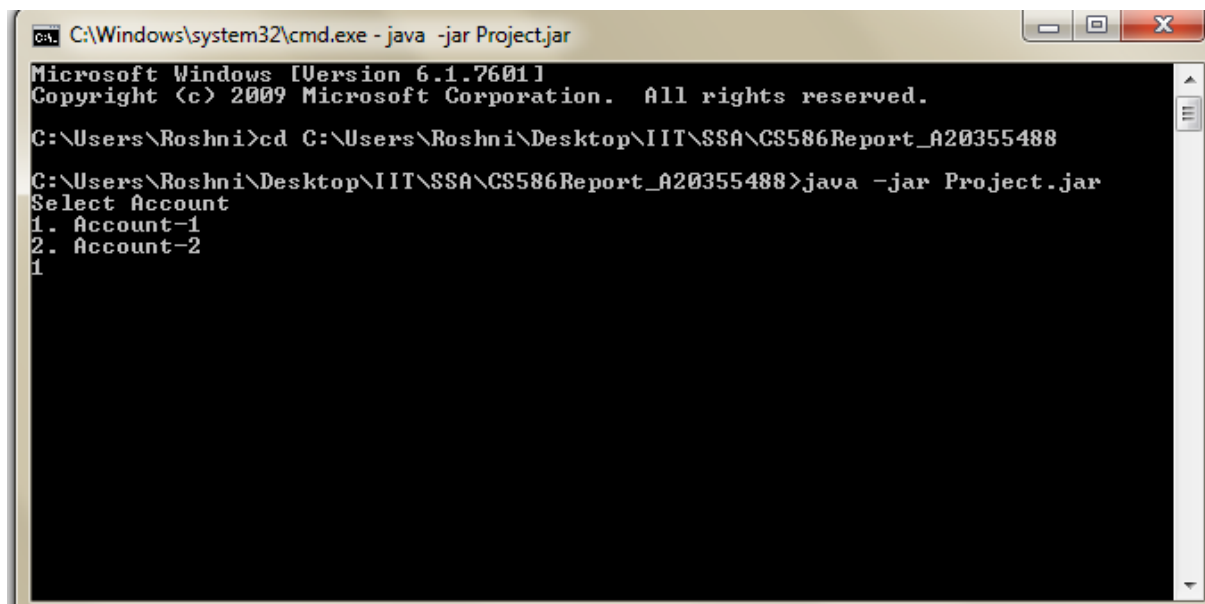
### CS586 Project.

To run the .jar file using the command prompt follow these steps:

1. Open the Command Prompt
2. set the path to the location where the jar file is saved
3. Type the command: "java -jar Project.jar" and press enter
4. You will receive an output screen which will ask you to choose between Account 1 and Account 2.
5. Pick the desired Account, after which the operations of the chosen account will be displayed.
6. Choose the operations using the input numbers provided in the menu and see the flow of the diagram.

For example:

Set the path, enter the command and select Account1



```
C:\Windows\system32\cmd.exe - java -jar Project.jar
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Roshni>cd C:\Users\Roshni\Desktop\IIT\SSA\CS586Report_A20355488
C:\Users\Roshni\Desktop\IIT\SSA\CS586Report_A20355488>java -jar Project.jar
Select Account
1. Account-1
2. Account-2
1
```

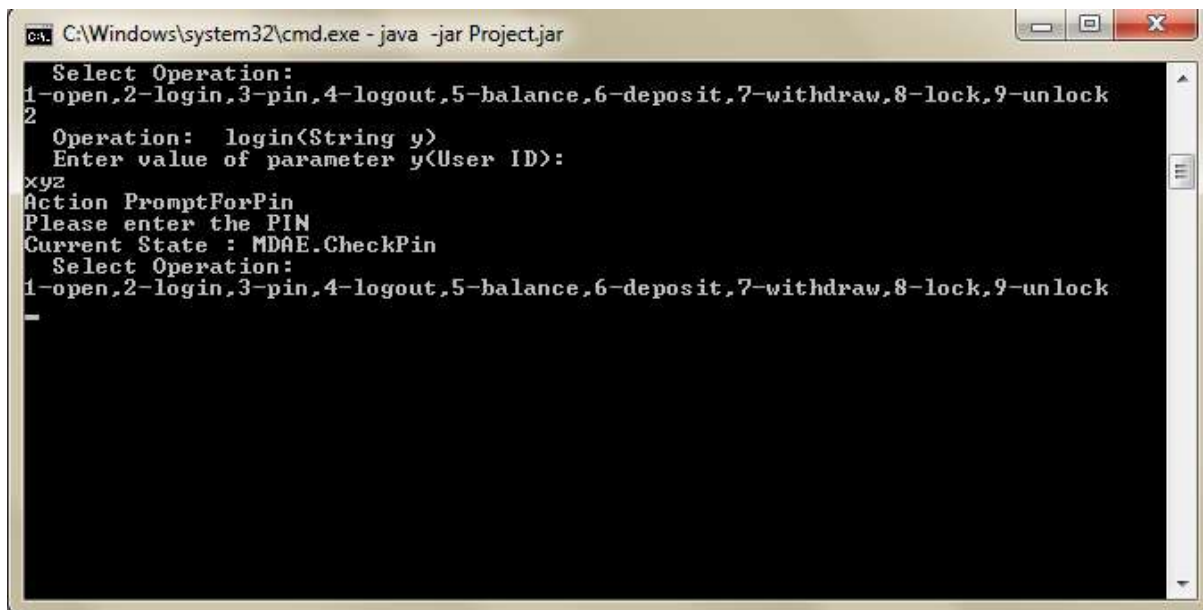
Selecting Account1, displays the following options:

```
C:\Windows\system32\cmd.exe - java -jar Project.jar
1
ACCOUNT 1
Menu Of Operations
1. open(String p,String y,float a)
2. login(String y)
3. pin(String x)
4. logout()
5. balance()
6. deposit(float d)
7. withdraw(float w)
8. lock(String x)
9. unlock(String x)
10. Quit
  Select Operation:
1-open,2-login,3-pin,4-logout,5-balance,6-deposit,7-withdraw,8-lock,9-unlock
```

On selecting open, the follows is the display.

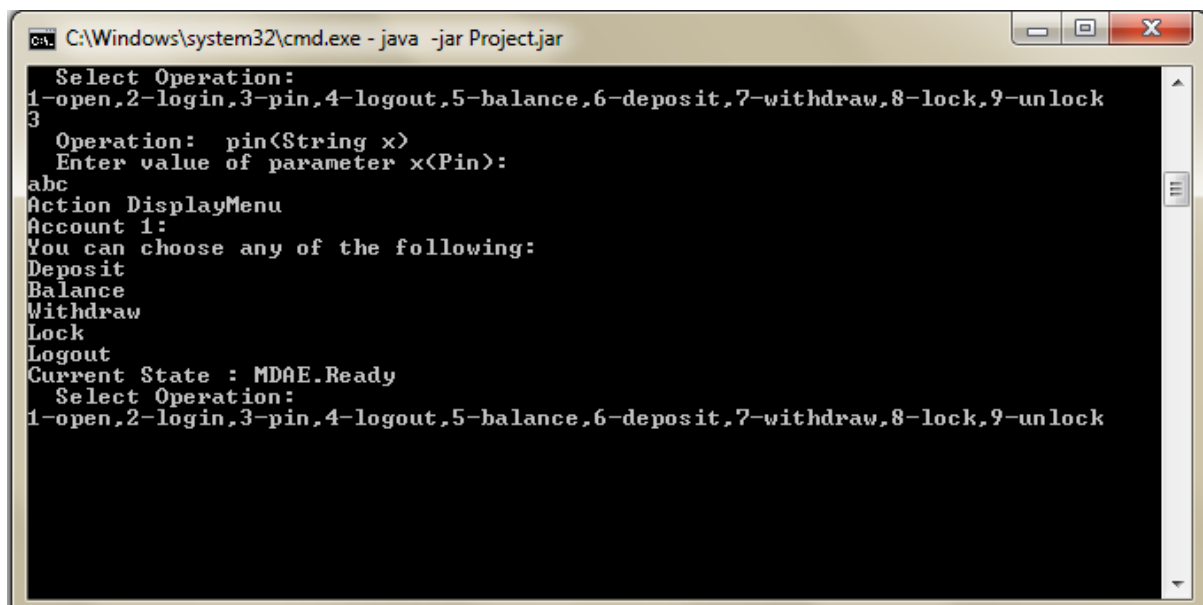
```
C:\Windows\system32\cmd.exe - java -jar Project.jar
10. Quit
  Select Operation:
1-open,2-login,3-pin,4-logout,5-balance,6-deposit,7-withdraw,8-lock,9-unlock
1
Operation: open(String p, String y, float a)
Enter value of the parameter p(PIN):
abc
Enter value of the parameter y(User ID:
xyz
Enter value of the parameter a(Balance:
1000
Action StoreData
Account 1:The set PIN is abc
Account 1:The set User ID is xyz
Account 1:The Balance is 1000.0
Current State : MDAAE.Idle
  Select Operation:
1-open,2-login,3-pin,4-logout,5-balance,6-deposit,7-withdraw,8-lock,9-unlock
-
```

Now, we select login and the output is as follows



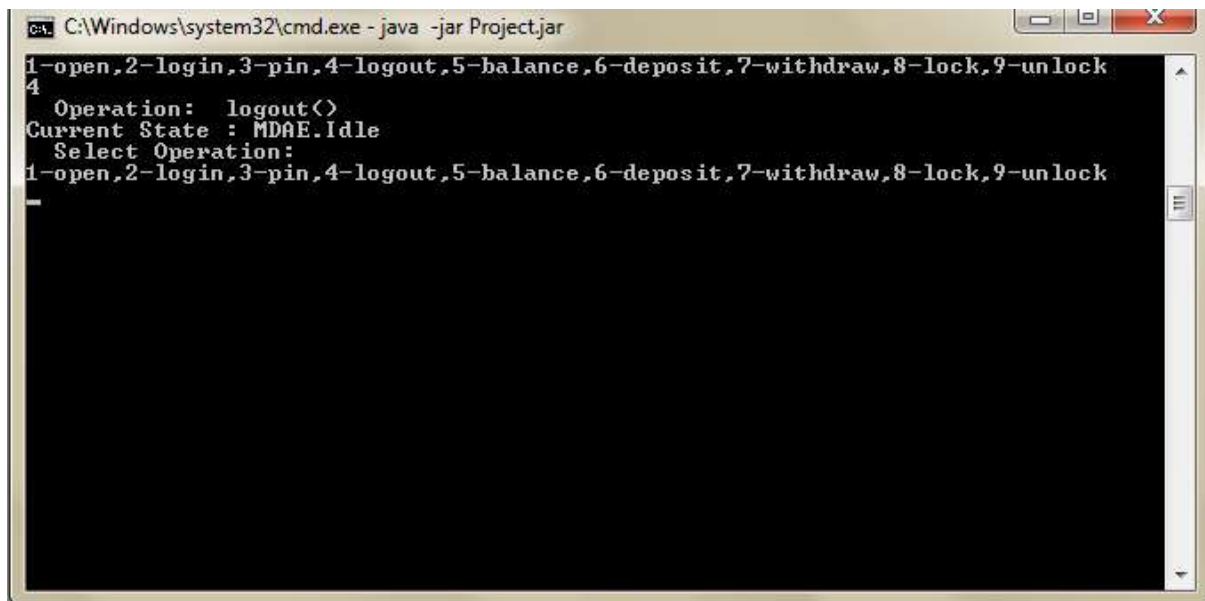
```
C:\Windows\system32\cmd.exe - java -jar Project.jar
Select Operation:
1-open,2-login,3-pin,4-logout,5-balance,6-deposit,7-withdraw,8-lock,9-unlock
2
Operation: login<String y>
Enter value of parameter y<User ID>:
xyz
Action PromptForPin
Please enter the PIN
Current State : MDAE.CheckPin
Select Operation:
1-open,2-login,3-pin,4-logout,5-balance,6-deposit,7-withdraw,8-lock,9-unlock
1
```

Now, selecting pin



```
C:\Windows\system32\cmd.exe - java -jar Project.jar
Select Operation:
1-open,2-login,3-pin,4-logout,5-balance,6-deposit,7-withdraw,8-lock,9-unlock
3
Operation: pin<String x>
Enter value of parameter x<Pin>:
abc
Action DisplayMenu
Account 1:
You can choose any of the following:
Deposit
Balance
Withdraw
Lock
Logout
Current State : MDAE.Ready
Select Operation:
1-open,2-login,3-pin,4-logout,5-balance,6-deposit,7-withdraw,8-lock,9-unlock
1
```

Now, selecting logout



```
C:\Windows\system32\cmd.exe - java -jar Project.jar
1-open,2-login,3-pin,4-logout,5-balance,6-deposit,7-withdraw,8-lock,9-unlock
4
Operation:  logout()
Current State : MDAAE.Idle
Select Operation:
1-open,2-login,3-pin,4-logout,5-balance,6-deposit,7-withdraw,8-lock,9-unlock
_
```

Various combinations of operations can be called for the accounts and the sequential flow of the model can be checked.