TOPIC: BANKING SYSTEM USING JAVA

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ACKNOWLEDGEMENT

First of all we would like to thank God as finally we were able to finish our project that was given to us. This task had been done with all effort by our group members.

We were able to adapt properly and wisely. Besides that, big thank we address to our course lecturer because without his guidance our project could not be done properly like this.

Finally, thank to our beloved friends that always stick together and also work hard to produce a good project with all afford and responsibility. Hope that all the determination will give a lot of benefits to us and also to our group project. Million thanks also we wish to our entire classmates because they also help us in doing our group. They always gave us ideas and comments on our project so that we can improve our project in many ways.

This project has been a great learning curve for us which will surely hold us in good stead in the upcoming years of our life.

Finally we would like to extend our thanks to the whole Globsyn Skills fraternity for this truly memorable one month of our life.

REQUIREMENT SPECIFICATION

- ## DOMAIN DESCRIPTION:

Q. What is the banking system? Who are the main players/actor?

Banking system in our project refers to the manual data entry-file type system, without the use of the online type, where there are mainly two actors, the OPERATOR & ADMINISTRATOR . In the bank , here the user provides the information to the operator about the job the user wants and conveys that to the operator. The operator on behalf of the user fills the necessary tabloid for that application of the user to be processed.

Here in our project is the main player is the ADMIN. The Admin creates an operator who works on behalf of the Admin.

- ## PROBLEM DEFINITION:

Q. Why should anyone take our project? What are the advantages of our project?

The Banking System of our project can be a real handful , as our project completely evades out the manual records , and also on the other hand reduces the dependence on the internet thus reducing costs. In our system , first an user fills up a form and gives to an appointed operator who can create an account for the user , delete an account , can issue loan , locker , open a savings or a fixed deposit account , also can issue Demand drafts , ATM cards , Cheque book among various other functions . The Administrator of the bank appoints the various operators of the bank and the Admin has access to all these details apart from the operators , so there are basically two main actors in our project the Admin and the operator . Although the ADMIN is the real head in the bank but all the jobs of the user are done by the Operator on behalf of the Admin.

The admin on the other hand can create the operator , delete an operator , view all details of an user , search an User or an Operator. The Admin can also view information on the Locker details , fixed deposit details , loans issued etc.

Moreover our project can store all the records of the user in the Files that are created in our project.

FUNCTIONAL REQUIREMENTS:

ADMINISTRATOR: The main functions of the Administrator in our project are as given below:

1. Creating or adding a new Operator for the bank.
2. The admin can search an Operator about the whereabouts of the Operator.
3. The Admin can also delete an Operator.
4. Viewing all the Operators together, their details in the form of a list.
5. The Admin can also search an User of the bank.
6. The Admin can also view all the users at once, besides the Admin can also delete a User without asking from the Operator, such is the power of the Administrator.
7. Viewing the Loan details and the Locker details.
8. A big factor is that when a User wants to take Loan or a Locker then without the permission or the consent of the Admin the loan or the Locker cannot be sanctioned by the Operator itself.
9. Besides the Admin can also view the fixed deposit details as well.
10. The Admin has an Approve function created from where the consent for taking the loan is forwarded to the Operator.
11. The Admin can check his own Login History or that of any other operator.

OPERATOR: The main functions of the Operator in our project are as given below:

1. Adding a new account for the User.
2. Deleting an existing account of the user.
3. Adding a withdraw function for the money transactions.
4. Adding a deposit function for transactions in the account of the user.
5. Adding a money transfer function for the transfer of funds from account of one user to the other account.
6. The Operator can check the Individual Passbook of each account holder in the bank just by searching the account number or the username.
7. Adding a function for viewing the details of an account holder in the bank.
8. Adding a function for issuing a cheque book, a Demand Draft, ATM card.
9. Adding a function for applying for a loan to be formally approved only by the Admin.
10. Adding a function for a fixed deposit account for the user.
11. Adding a function for applying of a locker which will also be approved by the Admin.

HARDWARE/SOFTWARE REQUIREMENTS:

1. CPU :- Intel i3
2. RAM :- 512MB
3. Operating system :- Windows 7 or Higher version
4. Platform :- Eclipse Juno (x86)
5. JavaSE vesion 7 update 21

DATABASE DESIGN

TABLE DESCRIPTION

CLASS NAME: Create

FILE NAME: Regis.dat

SL NO	DATA TYPE	VARIABLE NAME	VARIABLE DESCRIPTION
1	String	name	Stores the user first name.
2	String	name1	Stores the user last name.
3	String	address	Stores the user address.
4	String	email	Stores the user email id.
5	String	nationality	Store the user nationality.
6	String	acctype	Store the user account type.
7	String	city	Stores the user city name.
8	String	gender	Stores the sex of the user
9	String	dob	Stores the date of birth of the user
10	String	date	Stores the date of the user registration
11	String	time	Stores the time of the user registration
12	String	Identity	Stores the Identity of the user
13	String	profession	Stores the profession of the user
14	String	initialamnt	Stores the initial amount of the user

CLASS NAME: OperatorRegData

FILE NAME: Reg.dat

SL NO	DATA TYPE	VARIABLE	VARIABLE DESCRIPTION
1	String	name	Stores first name of operator
2	String	name1	Stores last name of operator
3	String	password	Stores password of operator
4	String	address	Stores address of operator
5	String	city	Stores the city name of operator
6	String	gender	Stores the sex of the operator
7	String	salary	Stores the salary of the operator
8	String	dob	Stores the date of birth of the operator
9	String	date	Stores the system date of registration
10	String	time	Stores the system time of registration

CLASS NAME: Actotal

FILE NAME: actotal.dat

SL NO	**DATA TYPE**	**VARIABLE**	**VARIABLE DESCRIPTION**
1	int	total	Stores the amount present in user account
2	int	account	Stores user account number
3	int	depo	Stores the deposit made by the user
4	int	withdraw1	Stores the withdrawal made by the user
5	String	date	Stores the date of user transactions
6	String	time	Stores the time of user transactions

CLASS NAME: Depo

FILE NAME: fixed.dat

SL NO	**DATA TYPE**	**VARIABLE NAME**	**VARIABLE DESCRIPTION**
1	String	savingsacc	Stores user savings account number
2	String	fixeddepoacc	Stores user fixed deposit account number.
3	String	savingsaccbal	Stores user savings account balance
4	String	fixedamnt	Stores user fixed deposit amount
5	String	terms	Stores terms of fixed deposit
6	String	rate	Stores rate of fixed deposit of user
7	String	date	Stores system date
8	String	time	Stores system time

CLASS NAME: LoanData

FILE NAME: loan.dat

SL No	DATA TYPE	VARIABLE NAME	VARIABLE DESCRIPTION
1	String	bankacc	Stores account number of user
2	String	acc	Stores loan account number of user
3	String	amnt	Stores loan amount of user
4	String	acctype	Stores loan account type of user
5	String	terms	Stores loan terms of user
6	String	Rate	Stores loan rate of user
7	String	date	Stores system date
8	String	time	Stores system time
9	String	approve	Stores approval which is default set False for all users.

CLASS NAME: LockerData

FILE NAME: locker.dat

SL NO	DATA TYPE	VARIABLE NAME	VARIABLE DESCRIPTION
1	String	acc	Stores account number of user
2	String	lockno	Stores locker number of user
3	String	bal	Stores balance present in savings account of user
4	String	terms	Stores locker terms of user
5	String	date	Stores System date
6	String	time	Stores System time
7	String	decision	Stores decision which is default set False for all users.

CLASS NAME: AdminLoginHistoryData

FILE NAME: AdminLoginData.dat

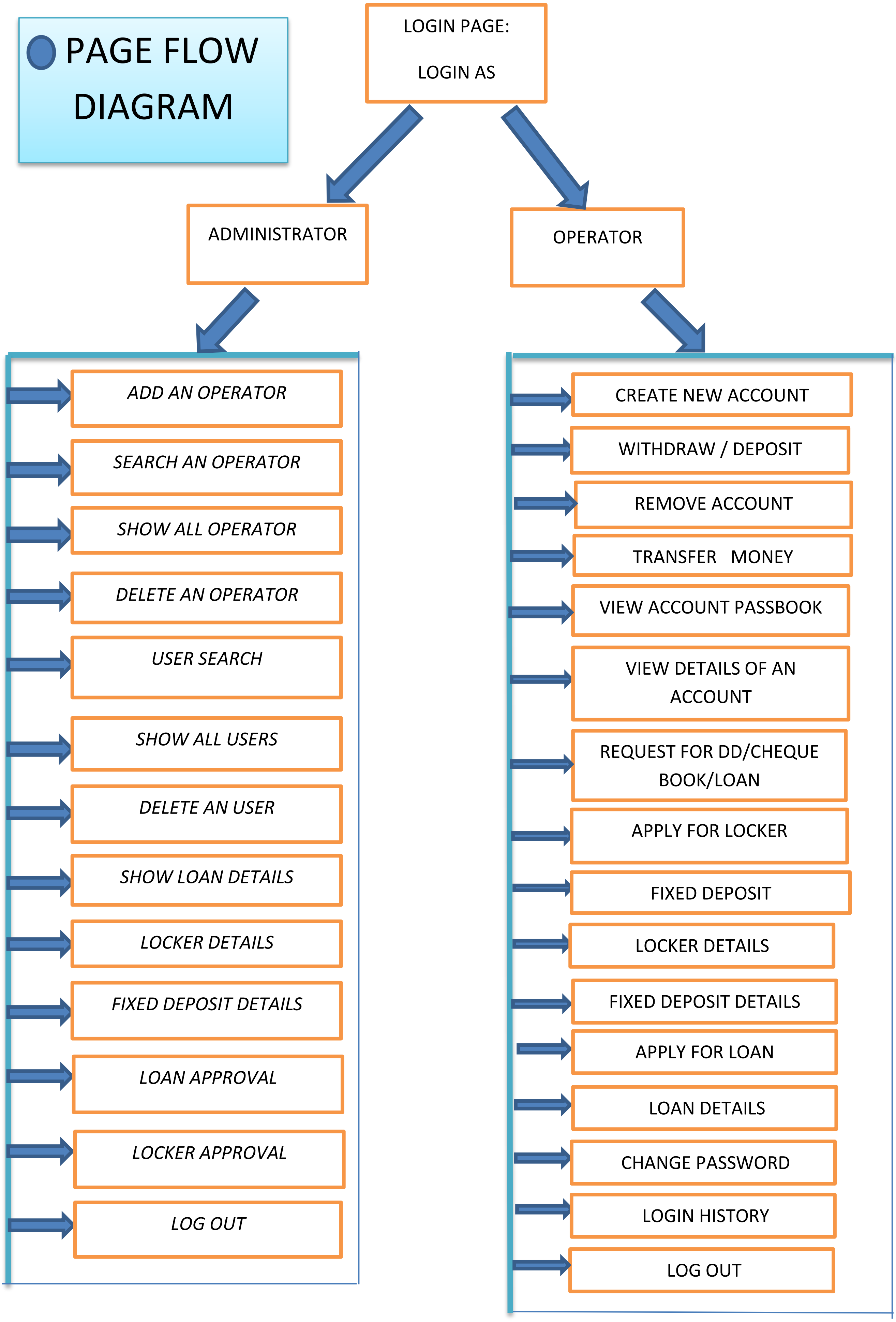
SL NO	DATA TYPE	VARIABLE NAME	VARIABLE DESCRIPTION
1	String	ALoginDate	Stores login date of admin
2	String	ALoginTime	Stores login time of admin
3	String	ALogoutDate	Stores logout date of admin
4	String	ALogoutTime	Stores logout time of admin

CLASS NAME: OperatorLoginHistoryData

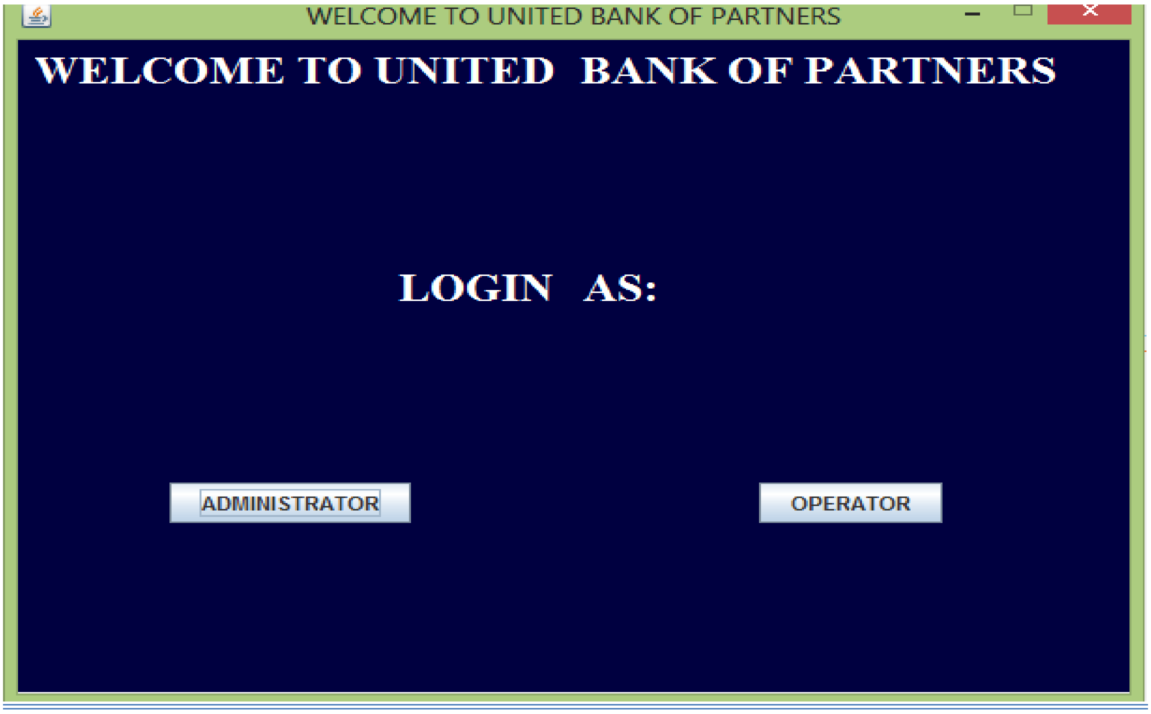
FILE NAME: OperatorLoginData.dat

SL NO	DATA TYPE	VARIABLE NAME	VARIABLE DESCRIPTION
1	String	OperatorFirstName	Stores first name of Operator
2	String	OLoginDate	Stores login date of Operator
3	String	OLoginTime	Stores login time of Operator
4	String	OLogoutDate	Stores logout date of Operator
5	String	OLogoutTime	Stores logout time of Operator

PAGE FLOW DIAGRAM



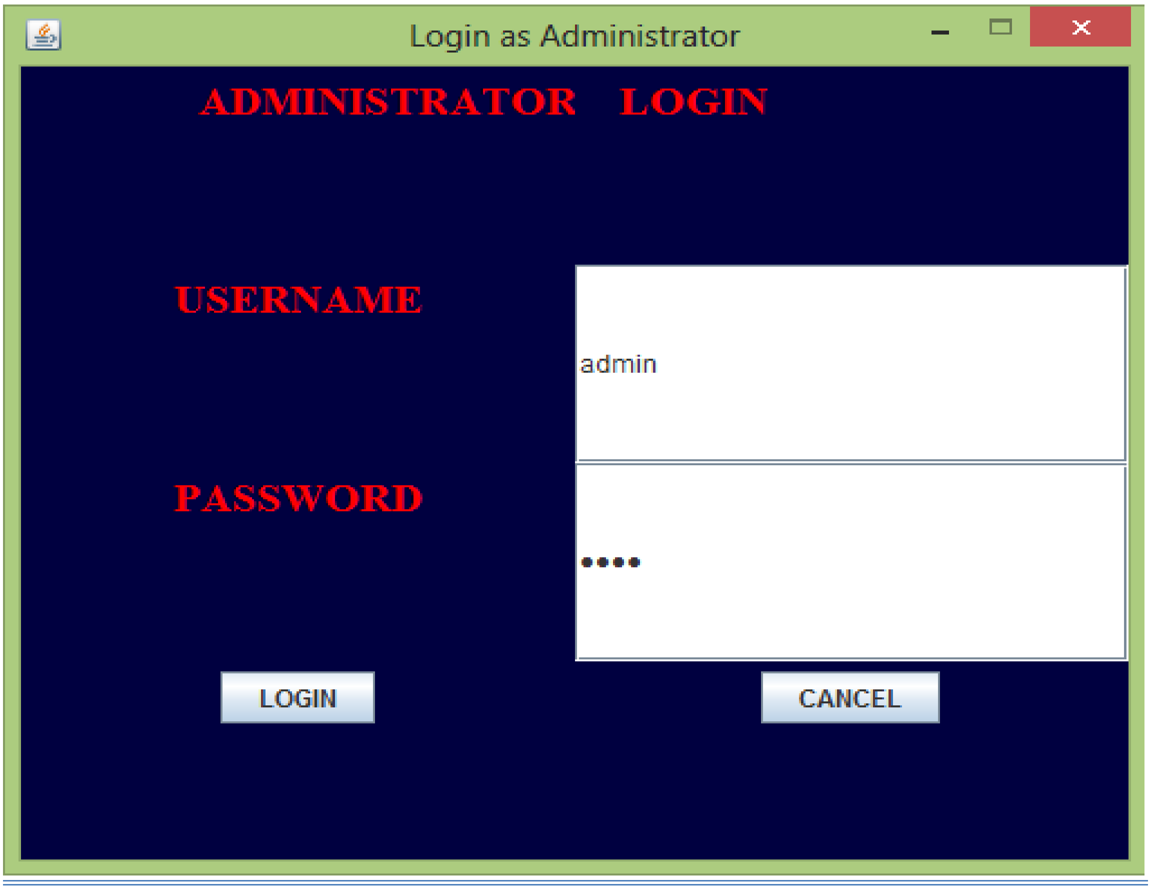
SCREEN SHOTS



WELCOME TO UNITED BANK OF PARTNERS

WELCOME TO UNITED BANK OF PARTNERS

LOGIN   AS:

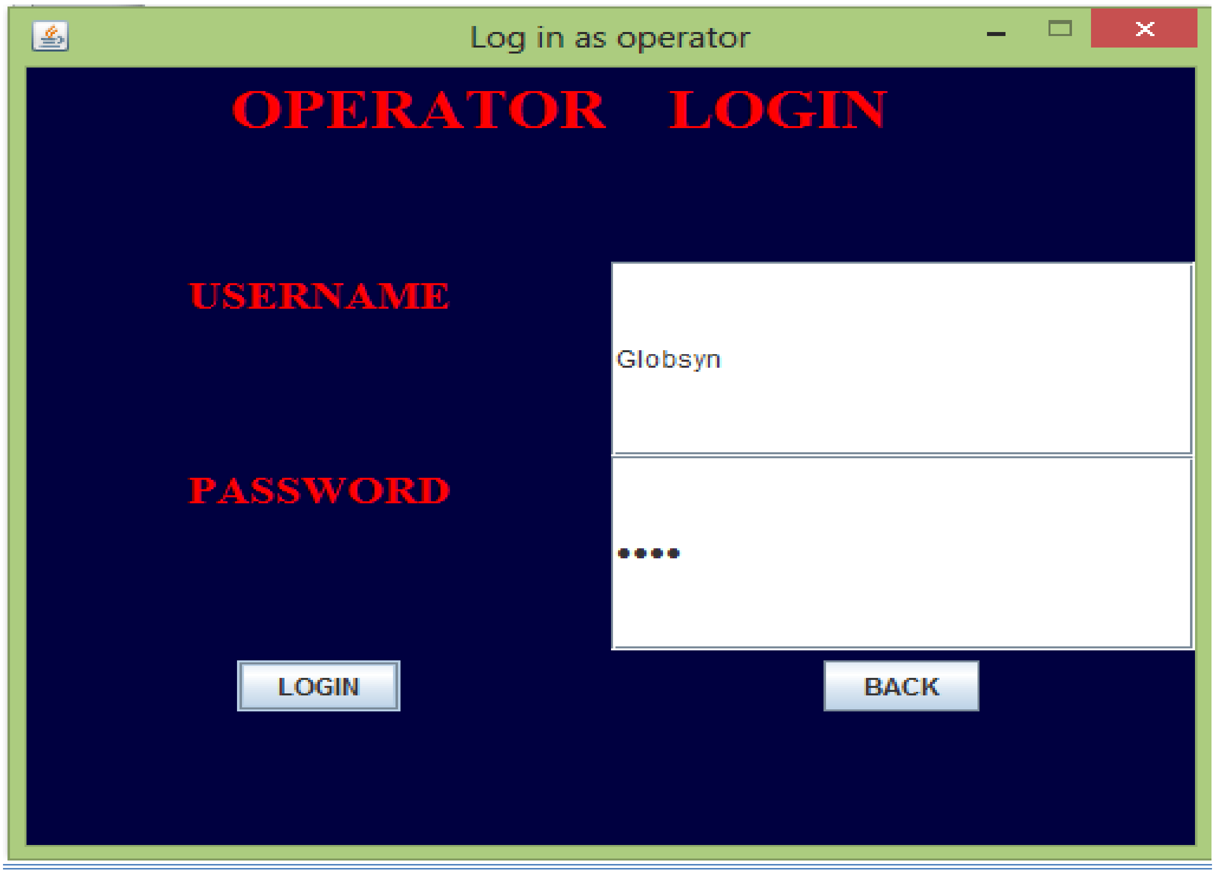


Login as Administrator

ADMINISTRATOR   LOGIN

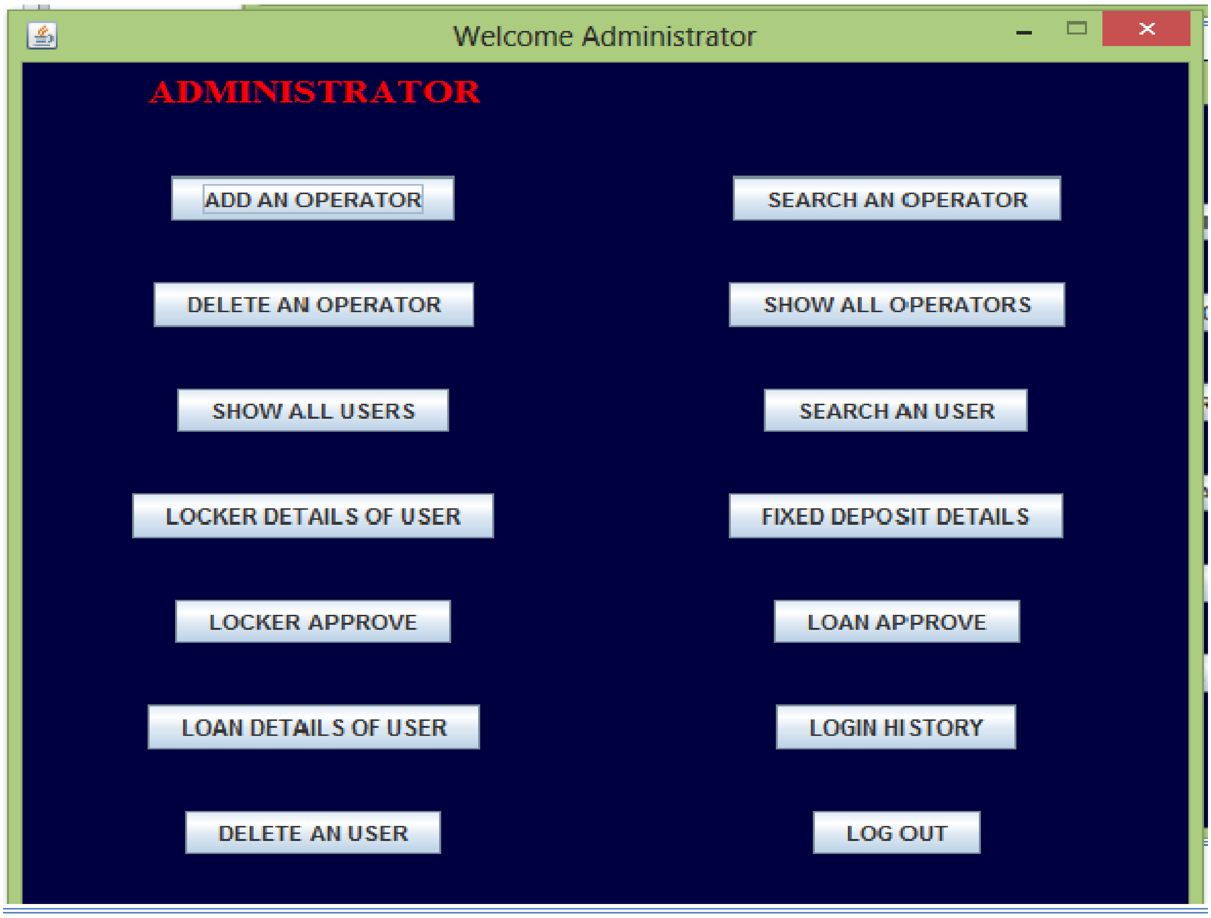
USERNAME: admin

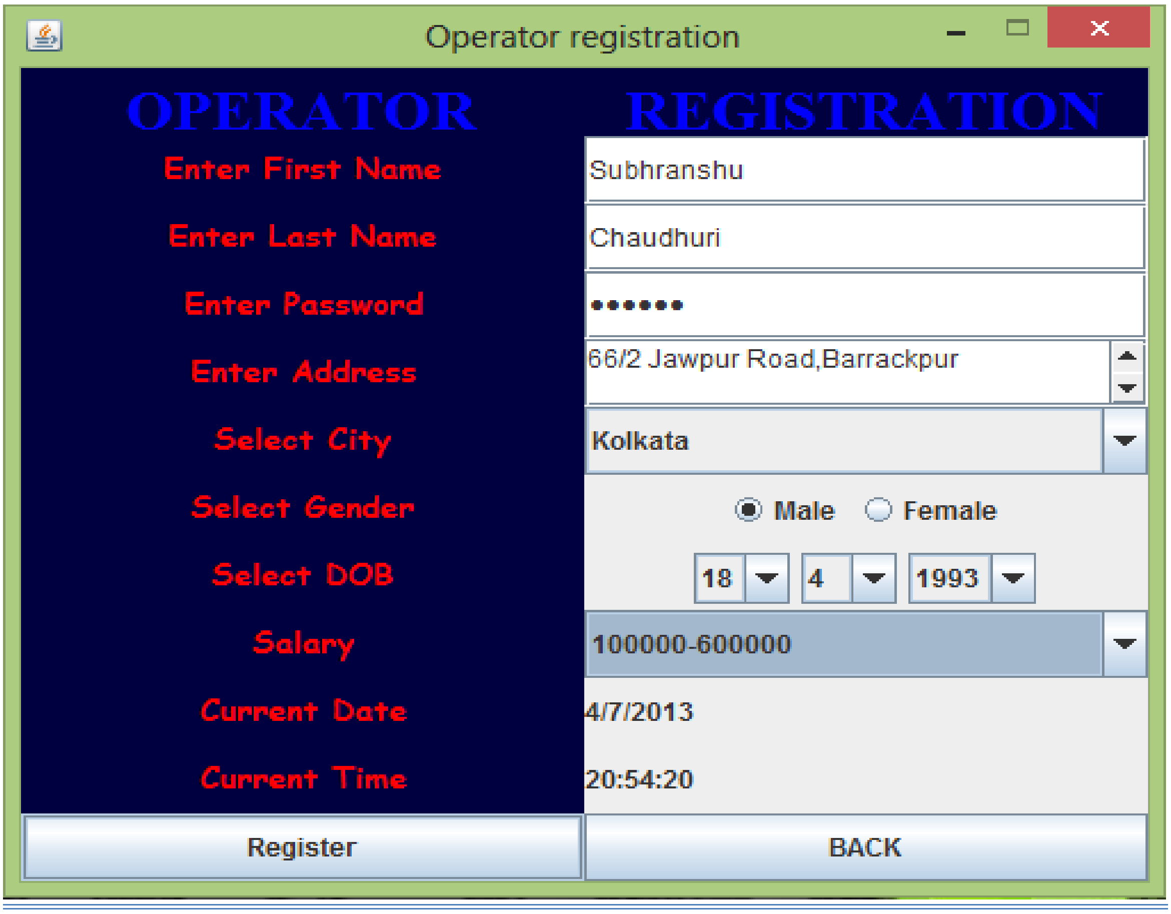
PASSWORD: ••••



USERNAME Globsyn

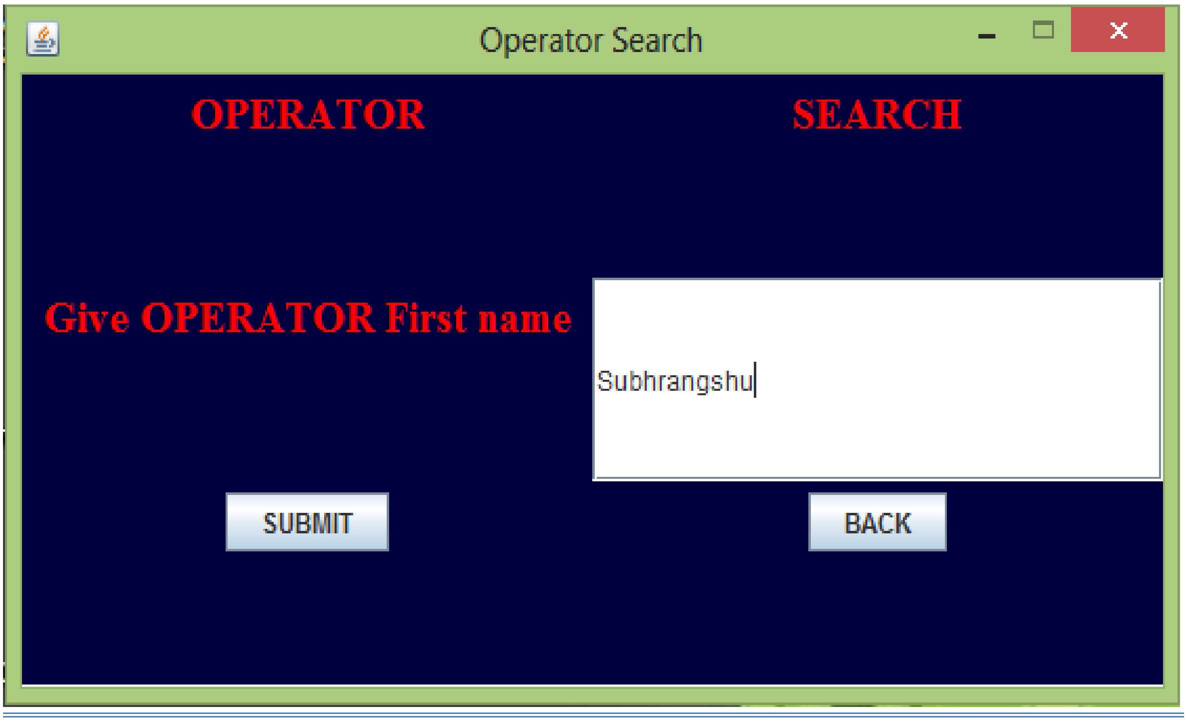
PASSWORD ••••





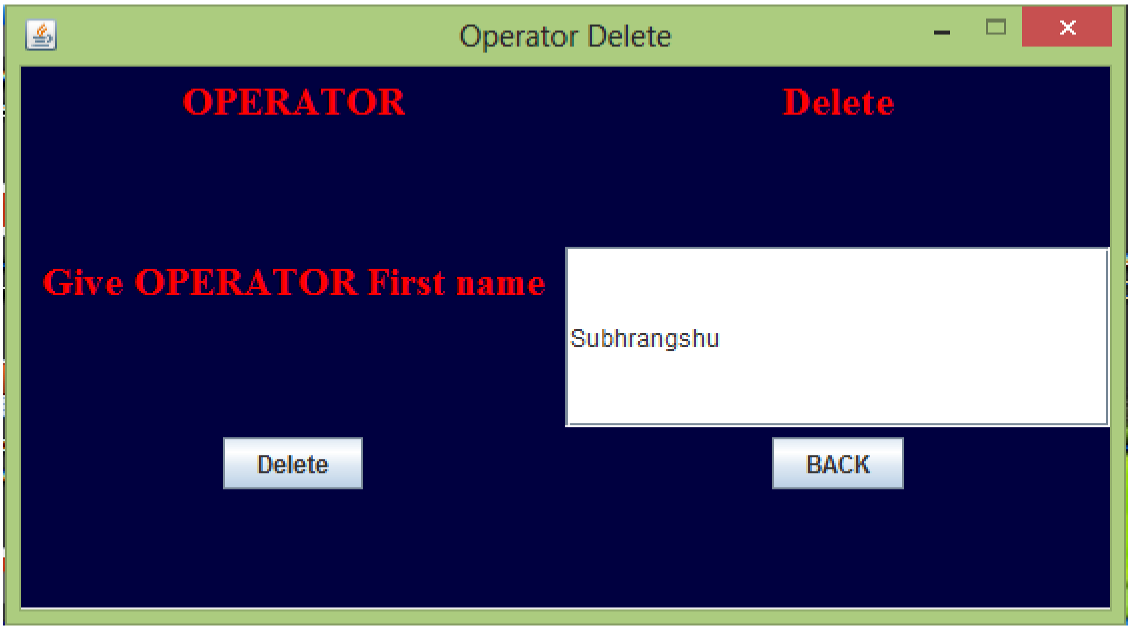
OPERATOR REGISTRATION

Enter First Name	Subhranshu
Enter Last Name	Chaudhuri
Enter Password	●●●●●●
Enter Address	66/2 Jawpur Road,Barrackpur
Select City	Kolkata
Select Gender	● Male ○ Female
Select DOB	18 4 1993
Salary	100000-600000
Current Date	4/7/2013
Current Time	20:54:20

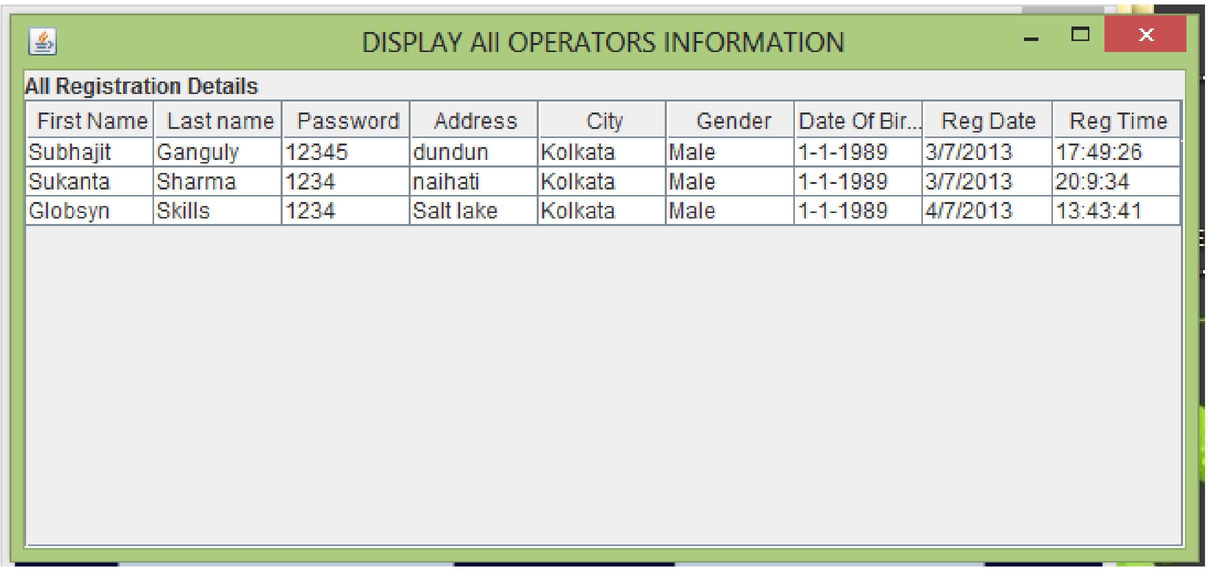


OPERATOR SEARCH

Give OPERATOR First name: Subhrangshu

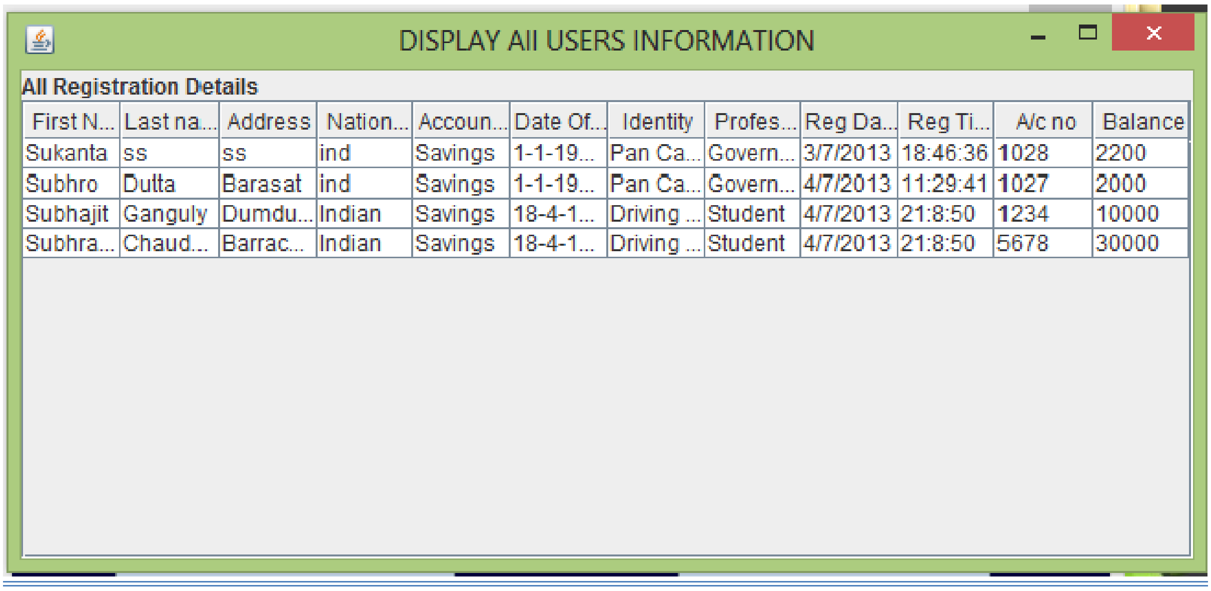


Give OPERATOR First name: Subhrangshu



All Registration Details

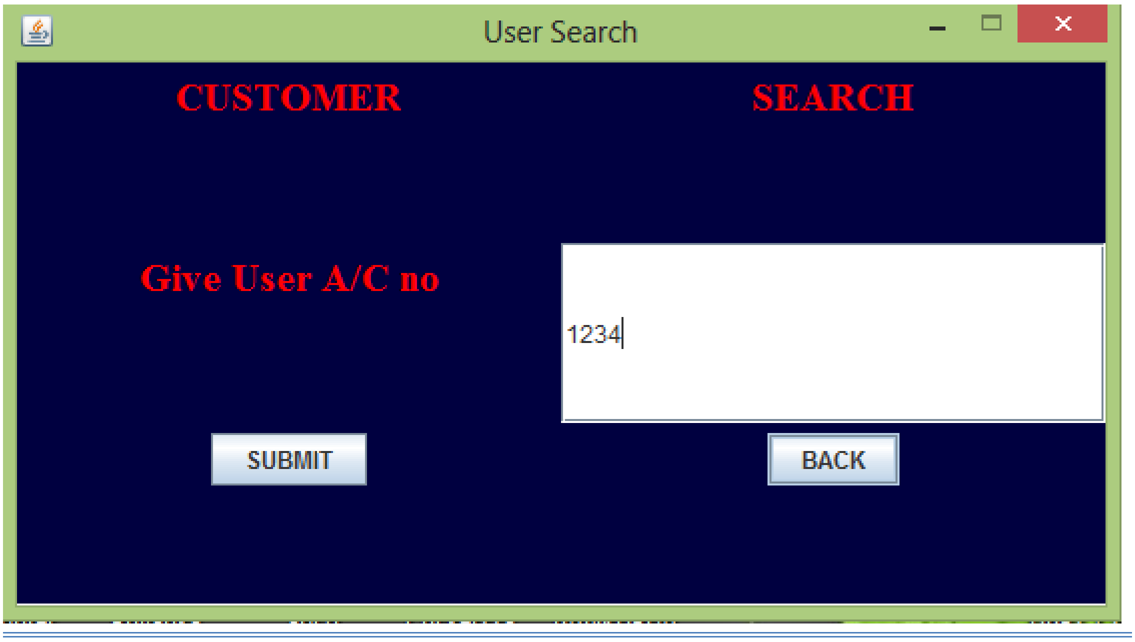
First Name	Last name	Password	Address	City	Gender	Date Of Bir...	Reg Date	Reg Time
Subhajit	Ganguly	12345	dundun	Kolkata	Male	1-1-1989	3/7/2013	17:49:26
Sukanta	Sharma	1234	naihati	Kolkata	Male	1-1-1989	3/7/2013	20:9:34
Globsyn	Skills	1234	Salt lake	Kolkata	Male	1-1-1989	4/7/2013	13:43:41



DISPLAY All USERS INFORMATION

All Registration Details

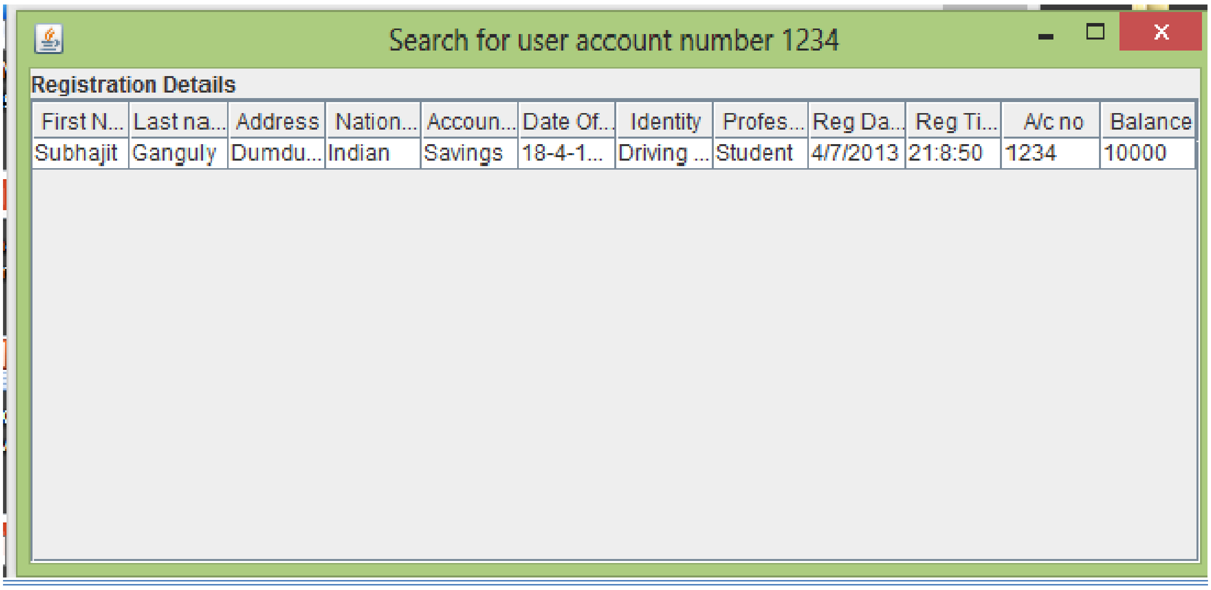
First N...	Last na...	Address	Nation...	Accoun...	Date Of...	Identity	Profes...	Reg Da...	Reg Ti...	A/c no	Balance
Sukanta	ss	ss	ind	Savings	1-1-19...	Pan Ca...	Govern...	3/7/2013	18:46:36	1028	2200
Subhro	Dulta	Barasat	ind	Savings	1-1-19...	Pan Ca...	Govern...	4/7/2013	11:29:41	1027	2000
Subhajit	Ganguly	Dumdu...	Indian	Savings	18-4-1...	Driving ...	Student	4/7/2013	21:8:50	1234	10000
Subhra...	Chaud...	Barrac...	Indian	Savings	18-4-1...	Driving ...	Student	4/7/2013	21:8:50	5678	30000



User Search

CUSTOMER SEARCH

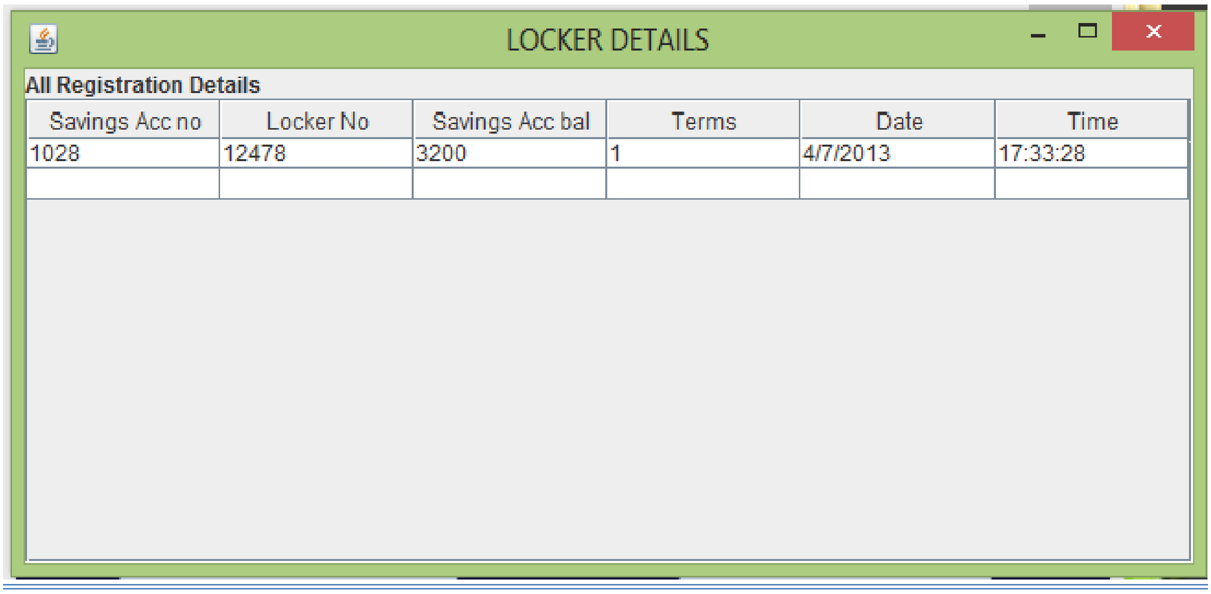
Give User A/C no: 1234



Search for user account number 1234

Registration Details

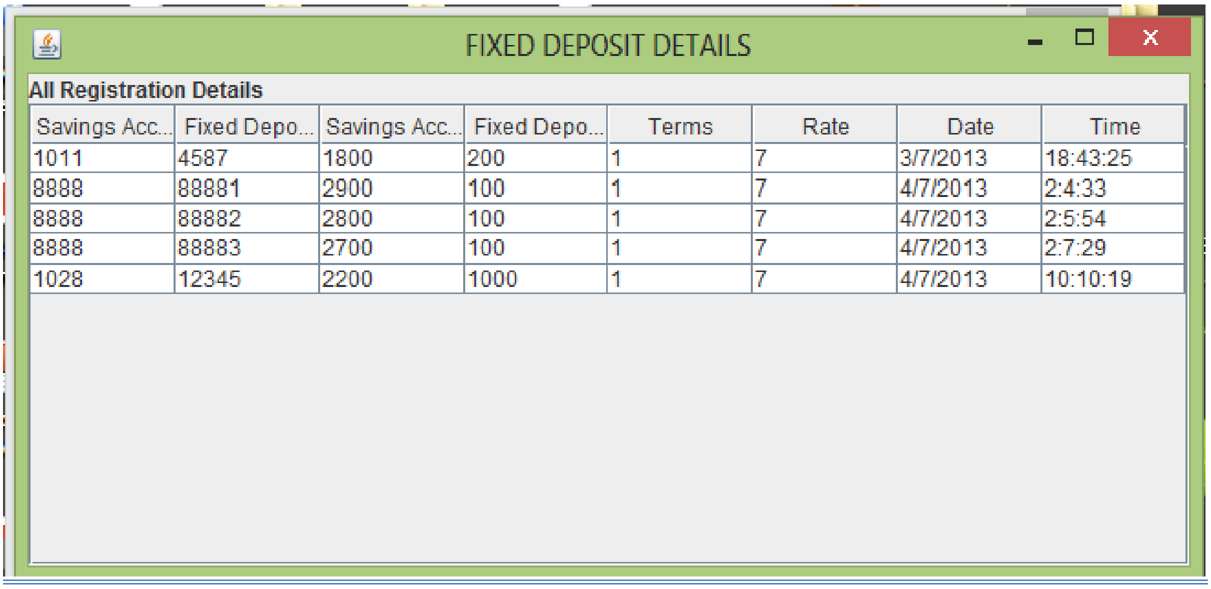
First N...	Last na...	Address	Nation...	Accoun...	Date Of...	Identity	Profes...	Reg Da...	Reg Ti...	A/c no	Balance
Subhajit	Ganguly	Dumdu...	Indian	Savings	18-4-1...	Driving ...	Student	4/7/2013	21:8:50	1234	10000



LOCKER DETAILS

All Registration Details

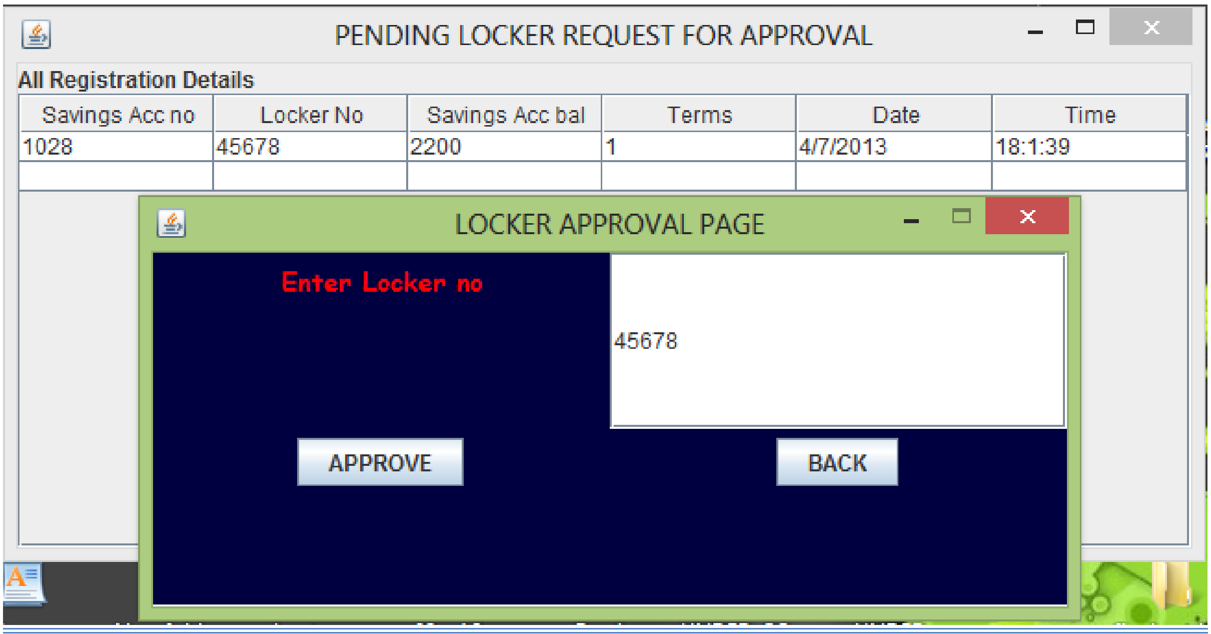
Savings Acc no	Locker No	Savings Acc bal	Terms	Date	Time
1028	12478	3200	1	4/7/2013	17:33:28



FIXED DEPOSIT DETAILS

All Registration Details

Savings Acc...	Fixed Depo...	Savings Acc...	Fixed Depo...	Terms	Rate	Date	Time
1011	4587	1800	200	1	7	3/7/2013	18:43:25
8888	88881	2900	100	1	7	4/7/2013	2:4:33
8888	88882	2800	100	1	7	4/7/2013	2:5:54
8888	88883	2700	100	1	7	4/7/2013	2:7:29
1028	12345	2200	1000	1	7	4/7/2013	10:10:19



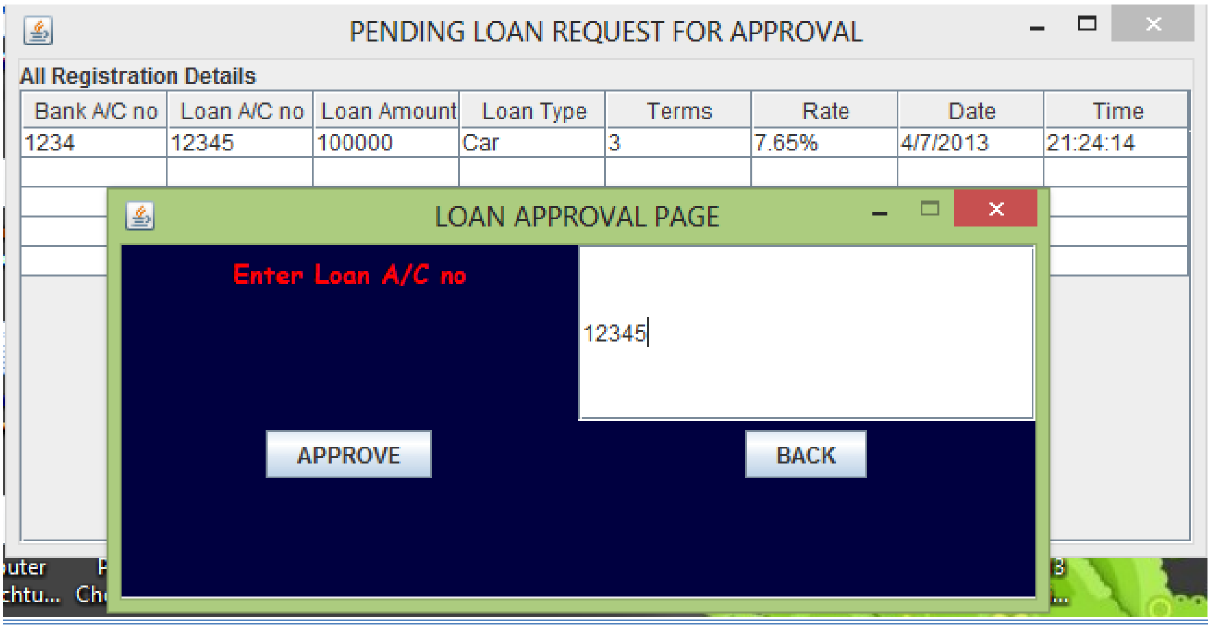
PENDING LOCKER REQUEST FOR APPROVAL

All Registration Details

Savings Acc no	Locker No	Savings Acc bal	Terms	Date	Time
1028	45678	2200	1	4/7/2013	18:1:39

LOCKER APPROVAL PAGE

Enter Locker no: 45678



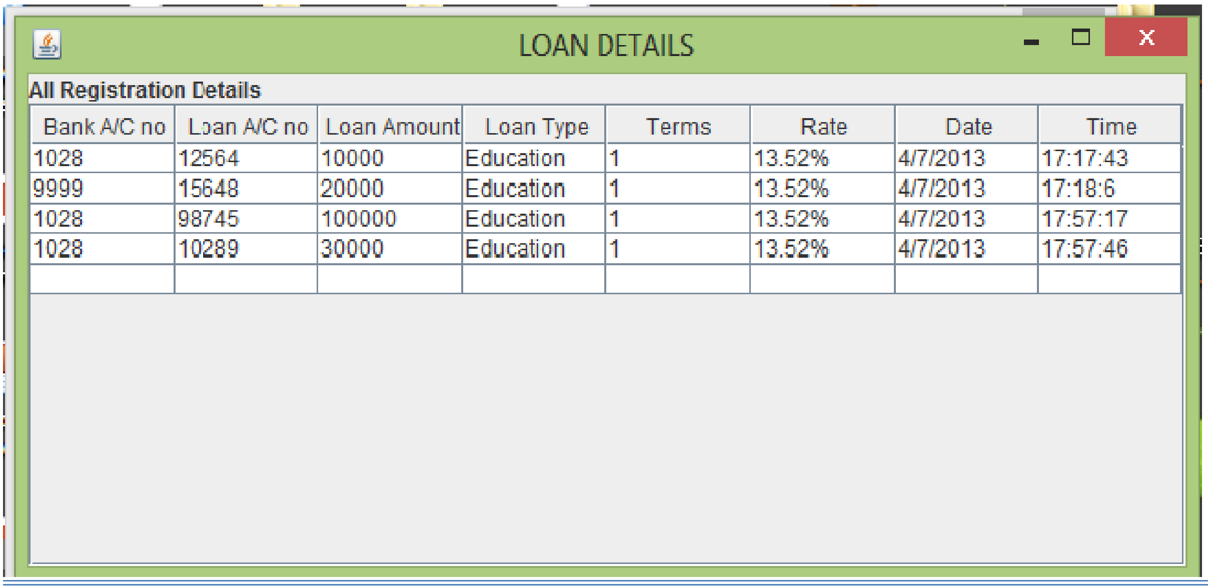
PENDING LOAN REQUEST FOR APPROVAL

All Registration Details

Bank A/C no	Loan A/C no	Loan Amount	Loan Type	Terms	Rate	Date	Time
1234	12345	100000	Car	3	7.65%	4/7/2013	21:24:14

LOAN APPROVAL PAGE

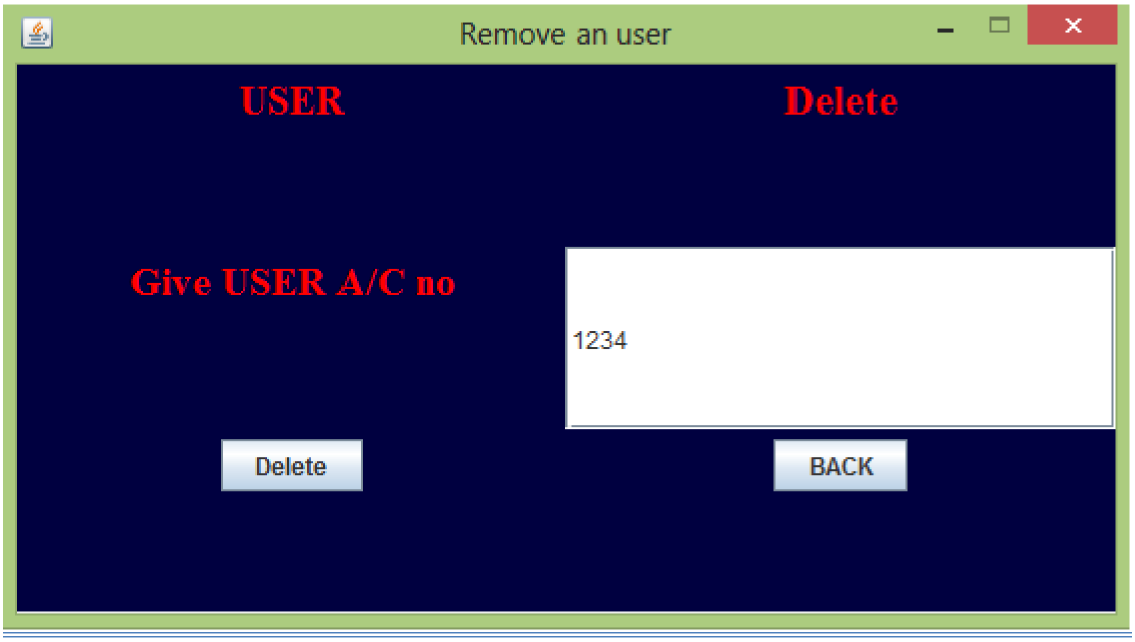
Enter Loan A/C no: 12345



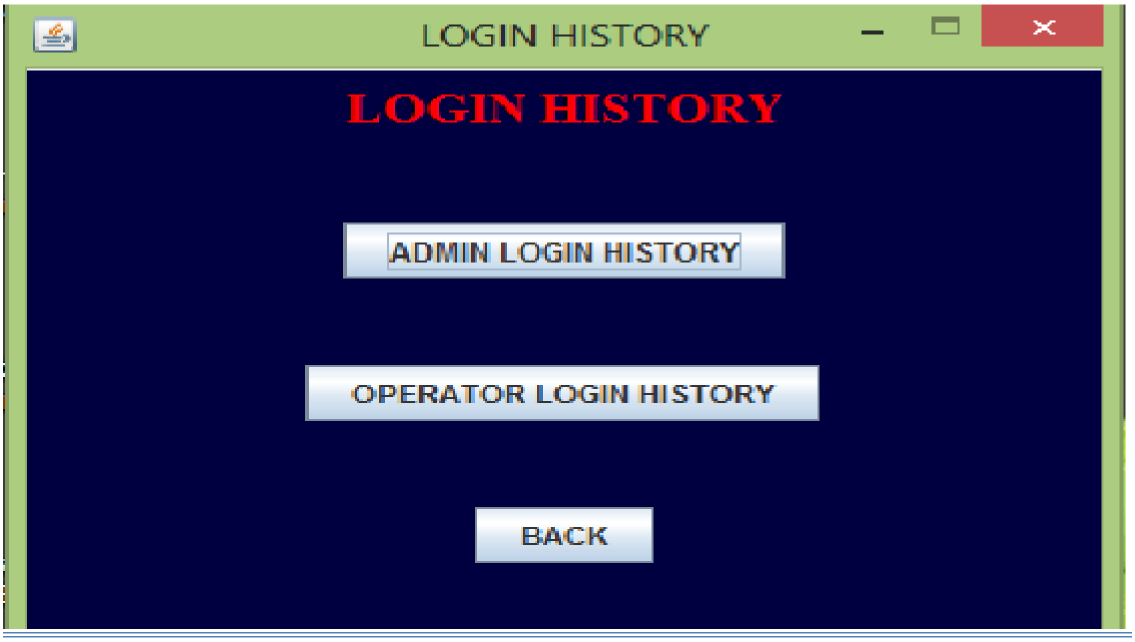
LOAN DETAILS

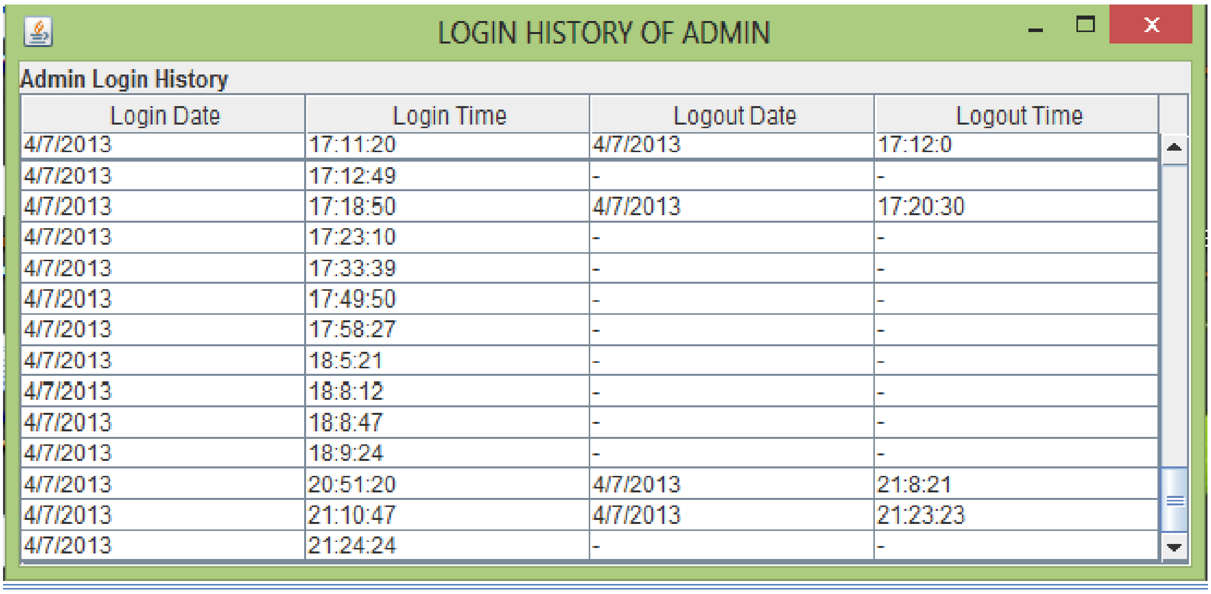
All Registration Details

Bank A/C no	Loan A/C no	Loan Amount	Loan Type	Terms	Rate	Date	Time
1028	12564	10000	Education	1	13.52%	4/7/2013	17:17:43
9999	15648	20000	Education	1	13.52%	4/7/2013	17:18:6
1028	98745	100000	Education	1	13.52%	4/7/2013	17:57:17
1028	10289	30000	Education	1	13.52%	4/7/2013	17:57:46



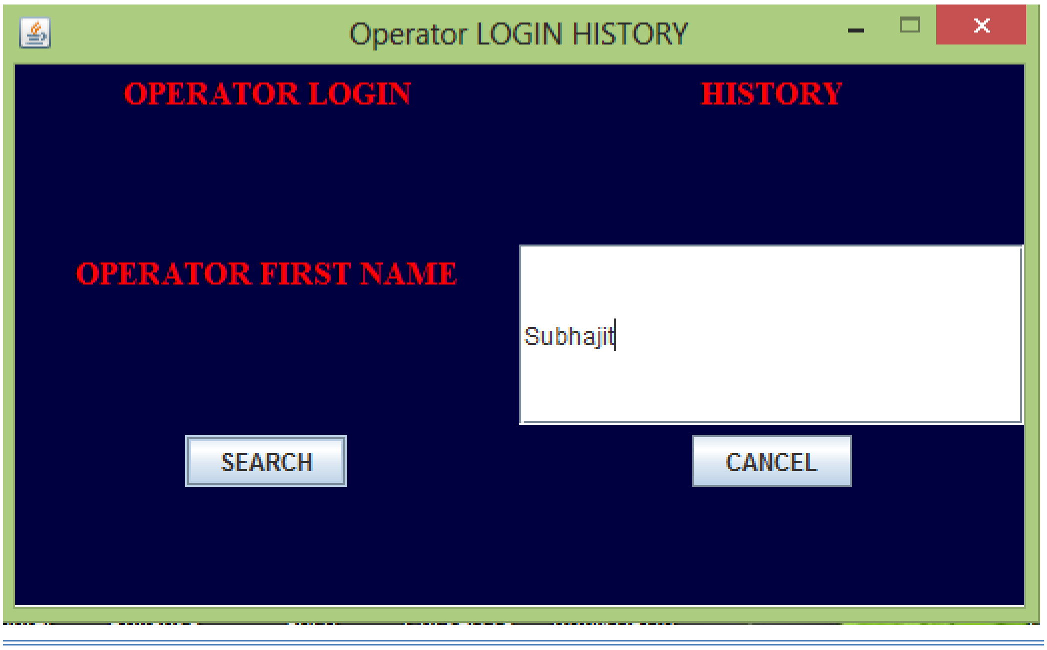
Give USER A/C no 1234



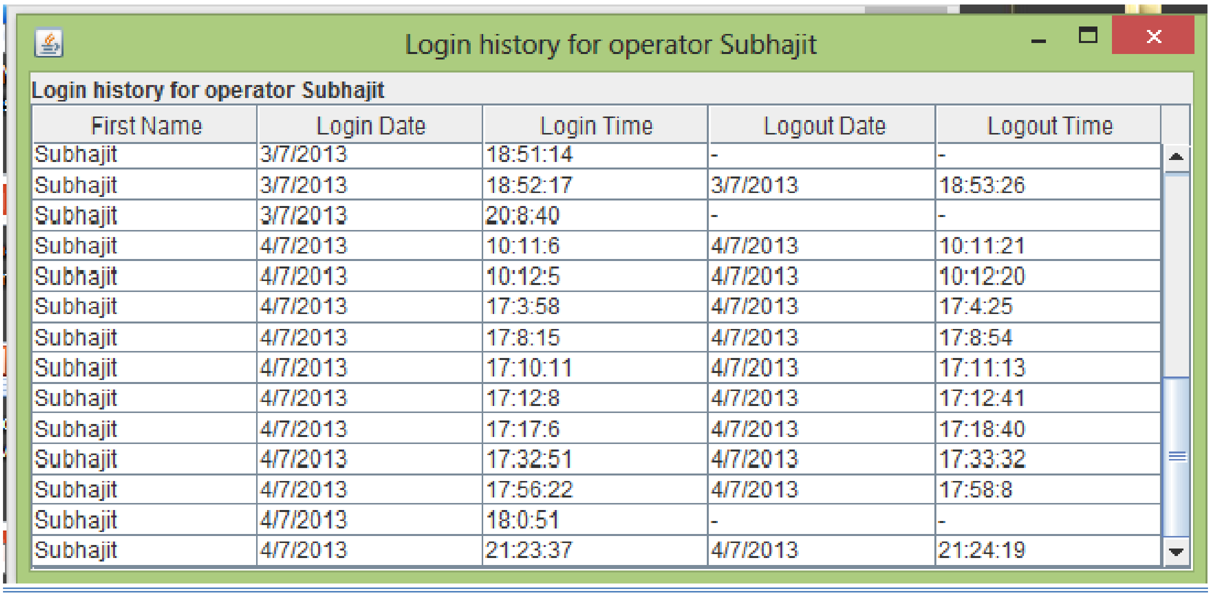


Admin Login History

Login Date	Login Time	Logout Date	Logout Time
4/7/2013	17:11:20	4/7/2013	17:12:0
4/7/2013	17:12:49	-	-
4/7/2013	17:18:50	4/7/2013	17:20:30
4/7/2013	17:23:10	-	-
4/7/2013	17:33:39	-	-
4/7/2013	17:49:50	-	-
4/7/2013	17:58:27	-	-
4/7/2013	18:5:21	-	-
4/7/2013	18:8:12	-	-
4/7/2013	18:8:47	-	-
4/7/2013	18:9:24	-	-
4/7/2013	20:51:20	4/7/2013	21:8:21
4/7/2013	21:10:47	4/7/2013	21:23:23
4/7/2013	21:24:24	-	-



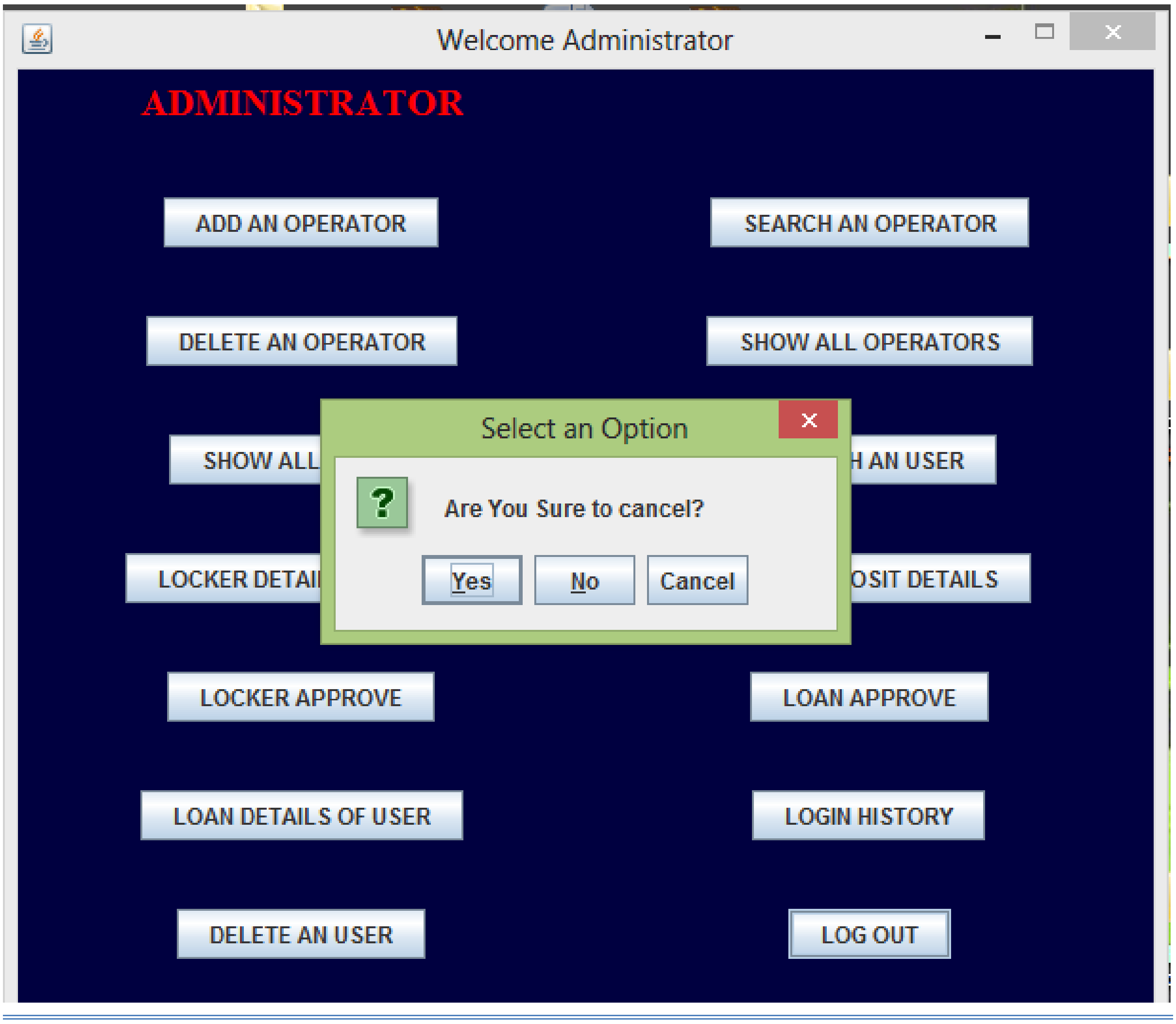
OPERATOR FIRST NAME: Subhajit



Login history for operator Subhajit

Login history for operator Subhajit

First Name	Login Date	Login Time	Logout Date	Logout Time
Subhajit	3/7/2013	18:51:14	-	-
Subhajit	3/7/2013	18:52:17	3/7/2013	18:53:26
Subhajit	3/7/2013	20:8:40	-	-
Subhajit	4/7/2013	10:11:6	4/7/2013	10:11:21
Subhajit	4/7/2013	10:12:5	4/7/2013	10:12:20
Subhajit	4/7/2013	17:3:58	4/7/2013	17:4:25
Subhajit	4/7/2013	17:8:15	4/7/2013	17:8:54
Subhajit	4/7/2013	17:10:11	4/7/2013	17:11:13
Subhajit	4/7/2013	17:12:8	4/7/2013	17:12:41
Subhajit	4/7/2013	17:17:6	4/7/2013	17:18:40
Subhajit	4/7/2013	17:32:51	4/7/2013	17:33:32
Subhajit	4/7/2013	17:56:22	4/7/2013	17:58:8
Subhajit	4/7/2013	18:0:51	-	-
Subhajit	4/7/2013	21:23:37	4/7/2013	21:24:19



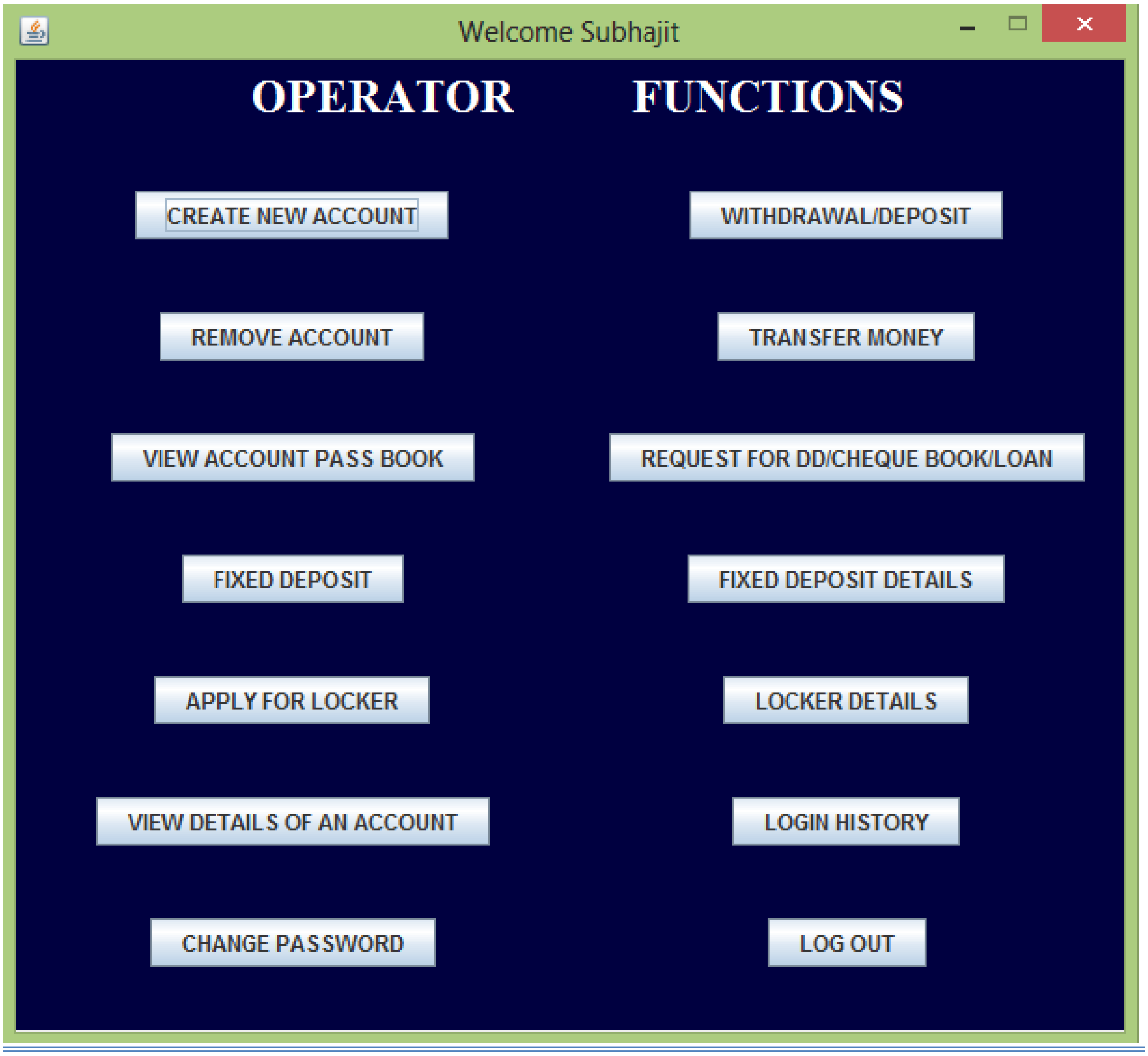
Welcome Administrator

ADMINISTRATOR

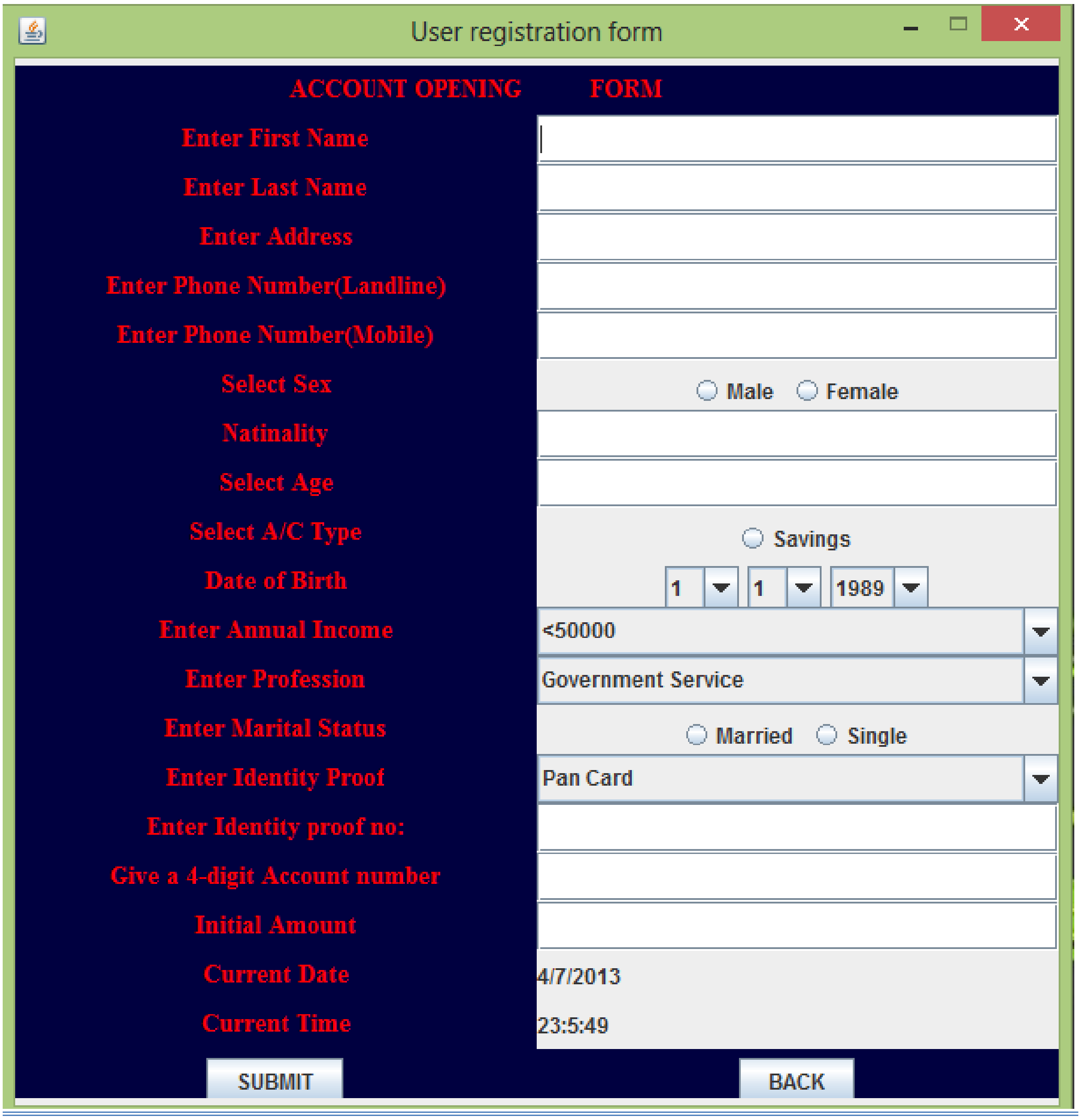
Select an Option

Are You Sure to cancel?

LOGIN AS OPERATOR



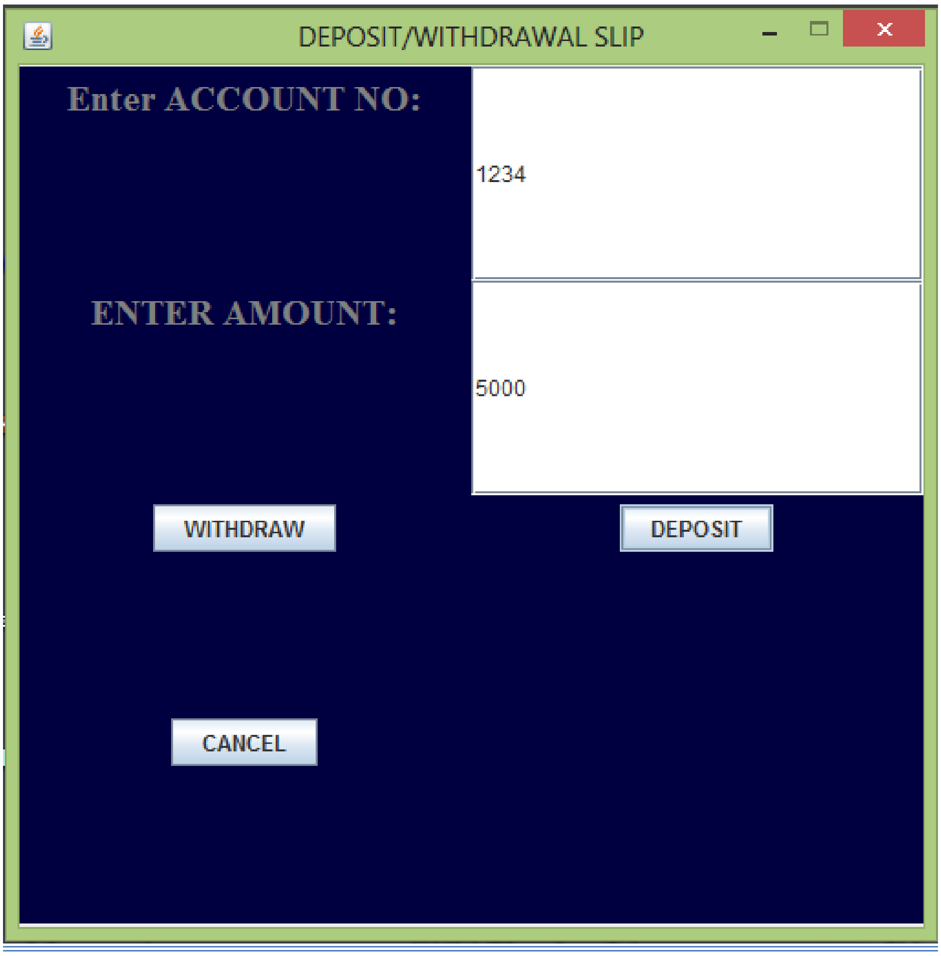
CREATE NEW USER



ACCOUNT OPENING FORM

Enter First Name	
Enter Last Name	
Enter Address	
Enter Phone Number(Landline)	
Enter Phone Number(Mobile)	
Select Sex	○ Male ○ Female
Natinality	
Select Age	
Select A/C Type	○ Savings
Date of Birth	1 ▾ 1 ▾ 1989 ▾
Enter Annual Income	<50000 ▾
Enter Profession	Government Service ▾
Enter Marital Status	○ Married ○ Single
Enter Identity Proof	Pan Card ▾
Enter Identity proof no:	
Give a 4-digit Account number	
Initial Amount	
Current Date	4/7/2013
Current Time	23:5:49

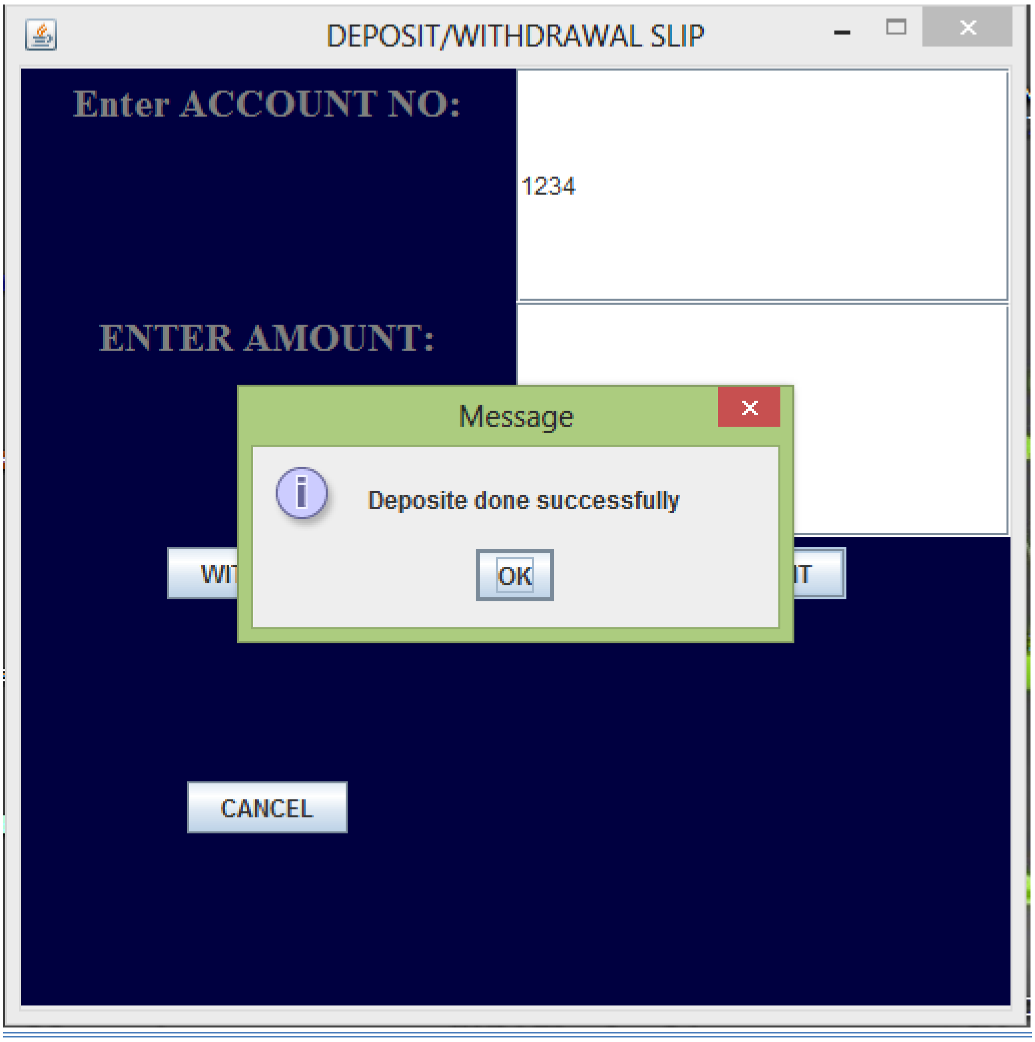
DEPOSIT/WITHDRAWAL



DEPOSIT/WITHDRAWAL SLIP

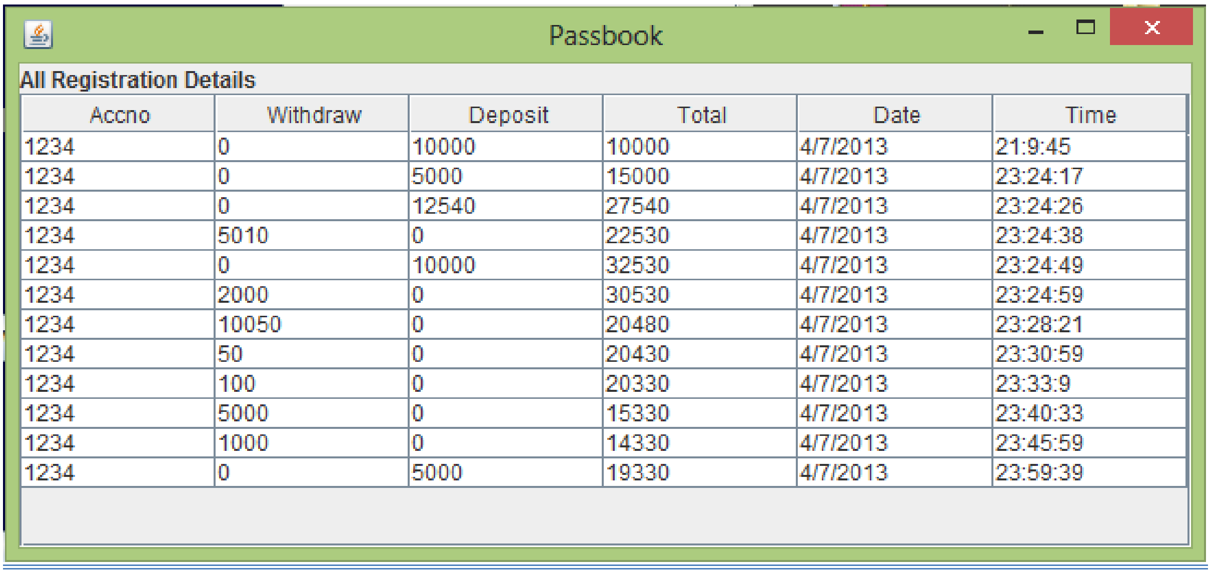
Enter ACCOUNT NO: 1234

ENTER AMOUNT: 5000



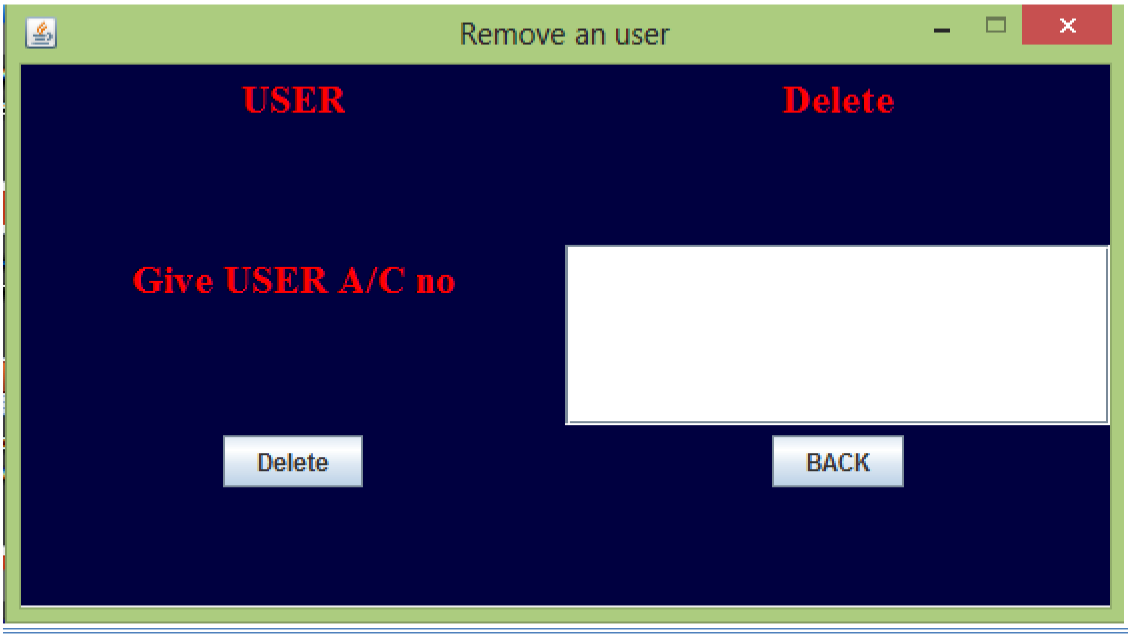
Deposite done successfully

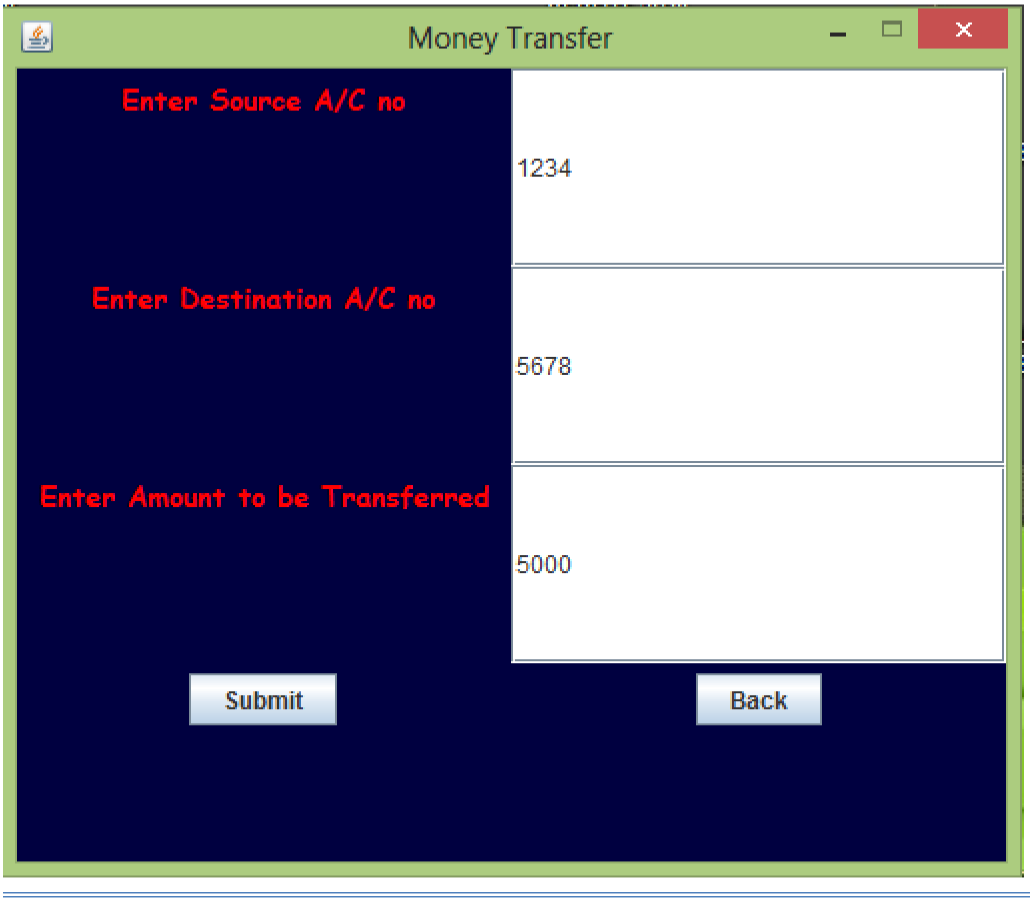
VIEWING PASSBOOK AFTER DEPOSIT



All Registration Details

Accno	Withdraw	Deposit	Total	Date	Time
1234	0	10000	10000	4/7/2013	21:9:45
1234	0	5000	15000	4/7/2013	23:24:17
1234	0	12540	27540	4/7/2013	23:24:26
1234	5010	0	22530	4/7/2013	23:24:38
1234	0	10000	32530	4/7/2013	23:24:49
1234	2000	0	30530	4/7/2013	23:24:59
1234	10050	0	20480	4/7/2013	23:28:21
1234	50	0	20430	4/7/2013	23:30:59
1234	100	0	20330	4/7/2013	23:33:9
1234	5000	0	15330	4/7/2013	23:40:33
1234	1000	0	14330	4/7/2013	23:45:59
1234	0	5000	19330	4/7/2013	23:59:39

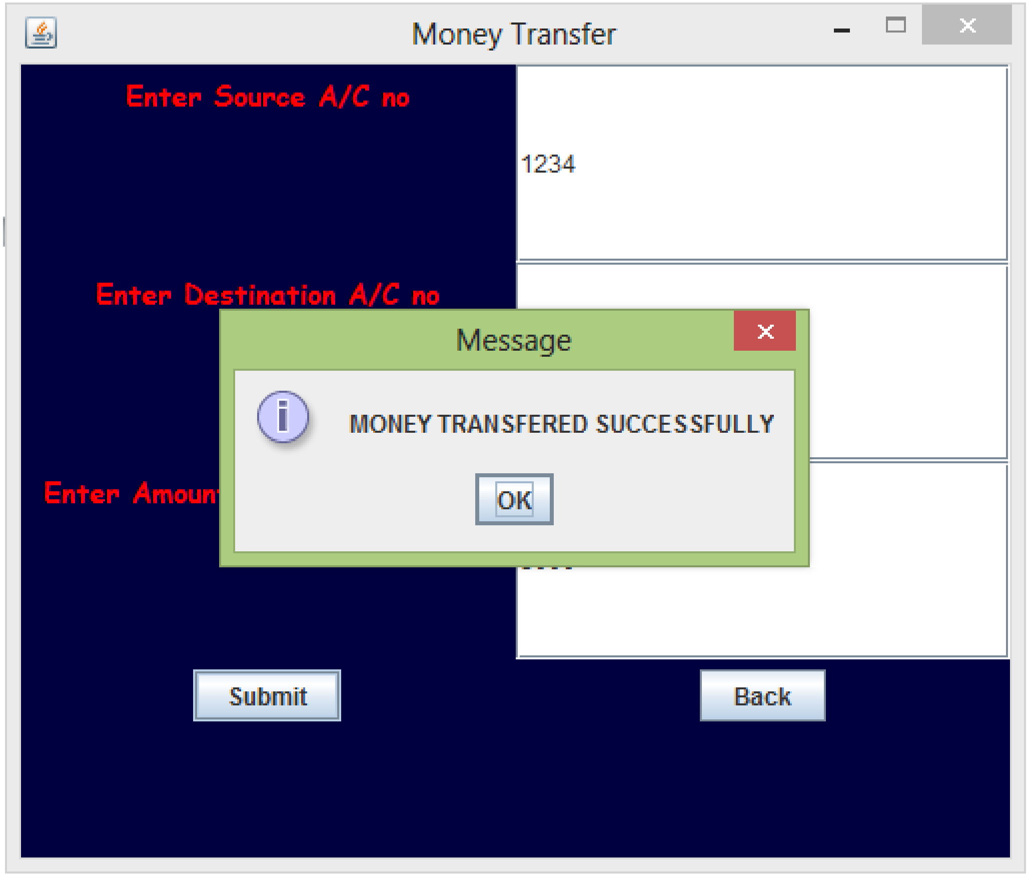




Enter Source A/C no 1234

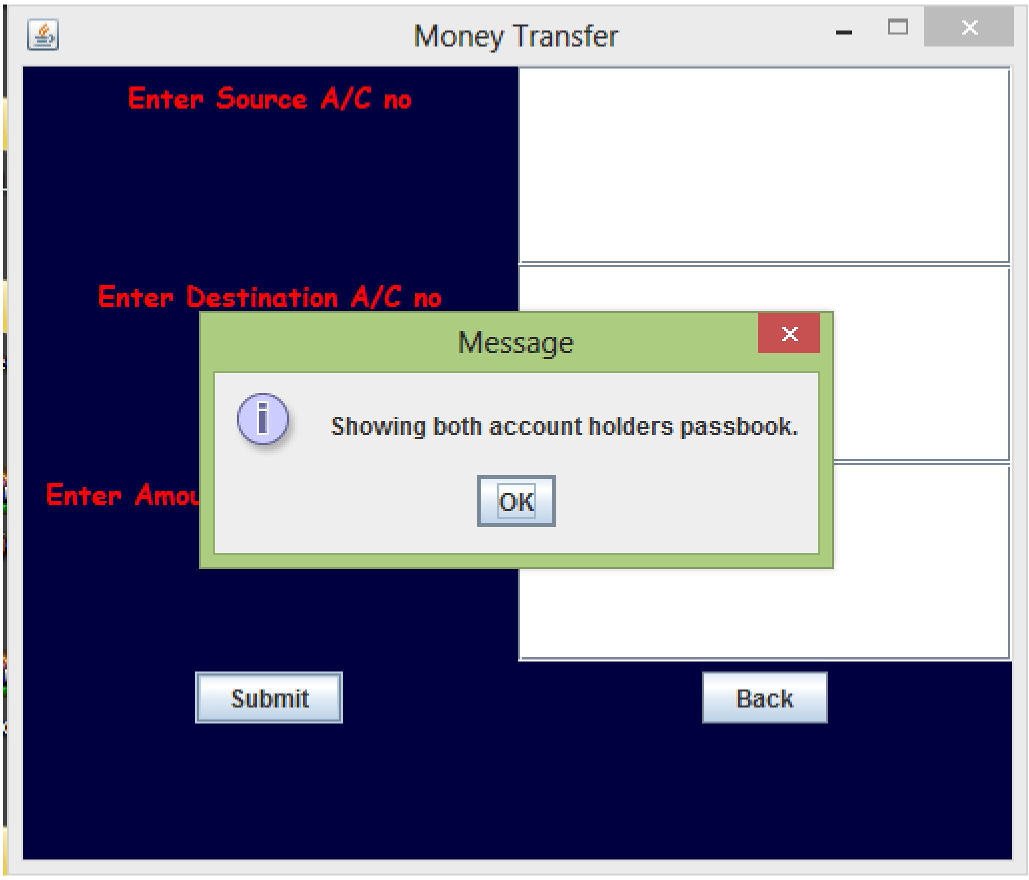
Enter Destination A/C no 5678

Enter Amount to be Transferred 5000

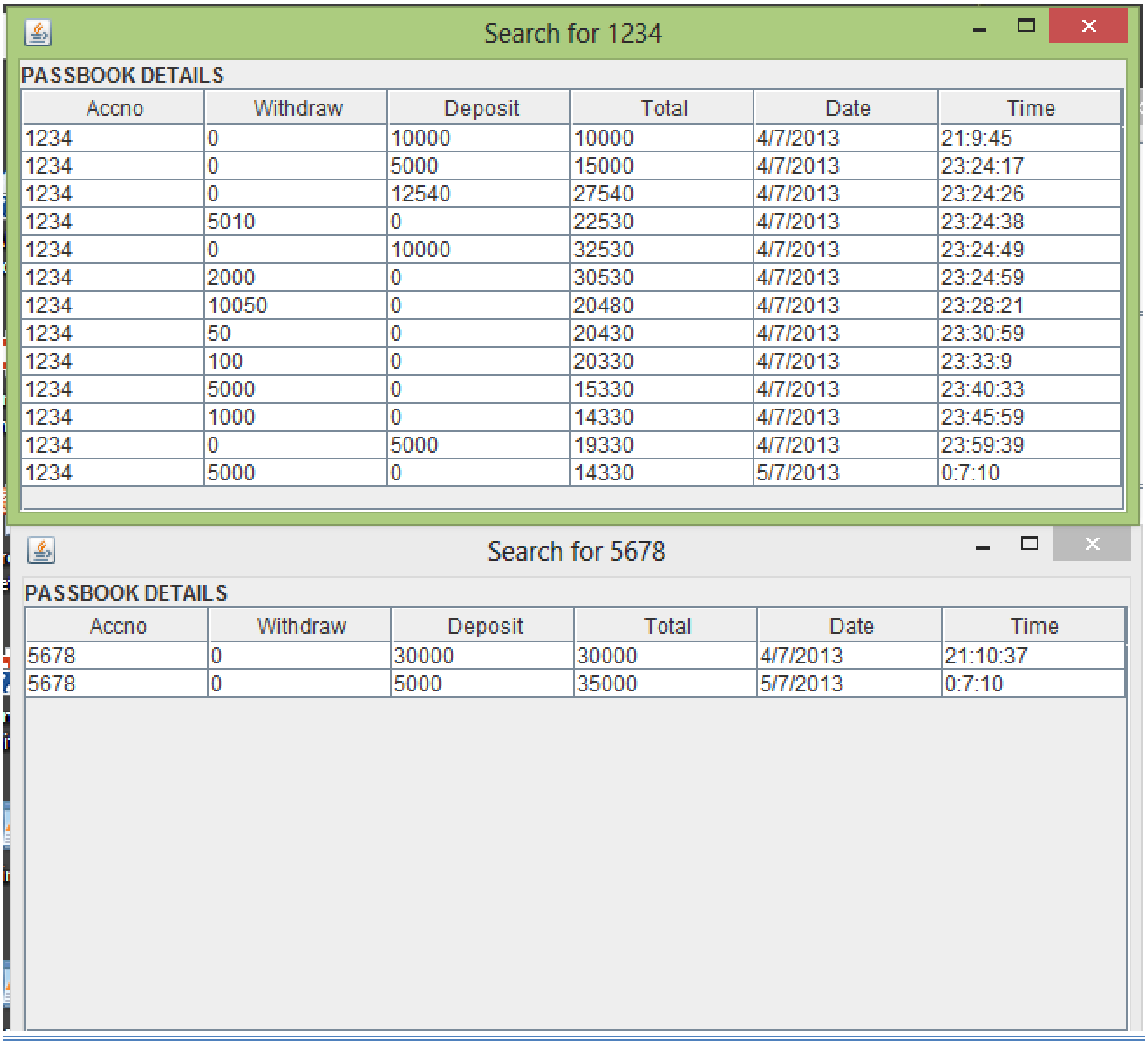


Enter Source A/C no 1234

MONEY TRANSFERED SUCCESSFULLY



Showing both account holders passbook.



Search for 1234

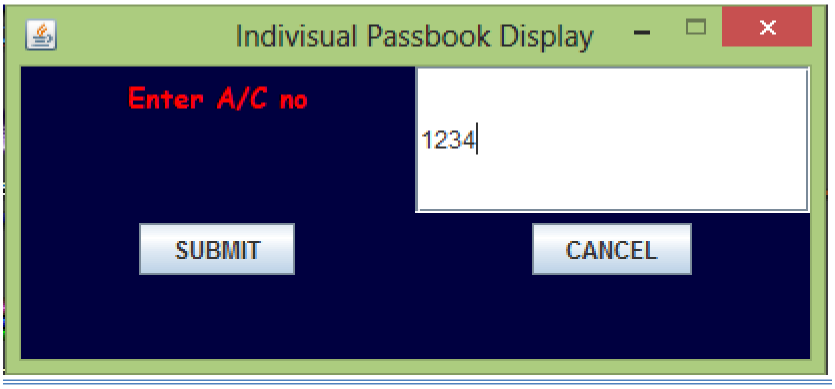
PASSBOOK DETAILS

Accno	Withdraw	Deposit	Total	Date	Time
1234	0	10000	10000	4/7/2013	21:9:45
1234	0	5000	15000	4/7/2013	23:24:17
1234	0	12540	27540	4/7/2013	23:24:26
1234	5010	0	22530	4/7/2013	23:24:38
1234	0	10000	32530	4/7/2013	23:24:49
1234	2000	0	30530	4/7/2013	23:24:59
1234	10050	0	20480	4/7/2013	23:28:21
1234	50	0	20430	4/7/2013	23:30:59
1234	100	0	20330	4/7/2013	23:33:9
1234	5000	0	15330	4/7/2013	23:40:33
1234	1000	0	14330	4/7/2013	23:45:59
1234	0	5000	19330	4/7/2013	23:59:39
1234	5000	0	14330	5/7/2013	0:7:10

Search for 5678

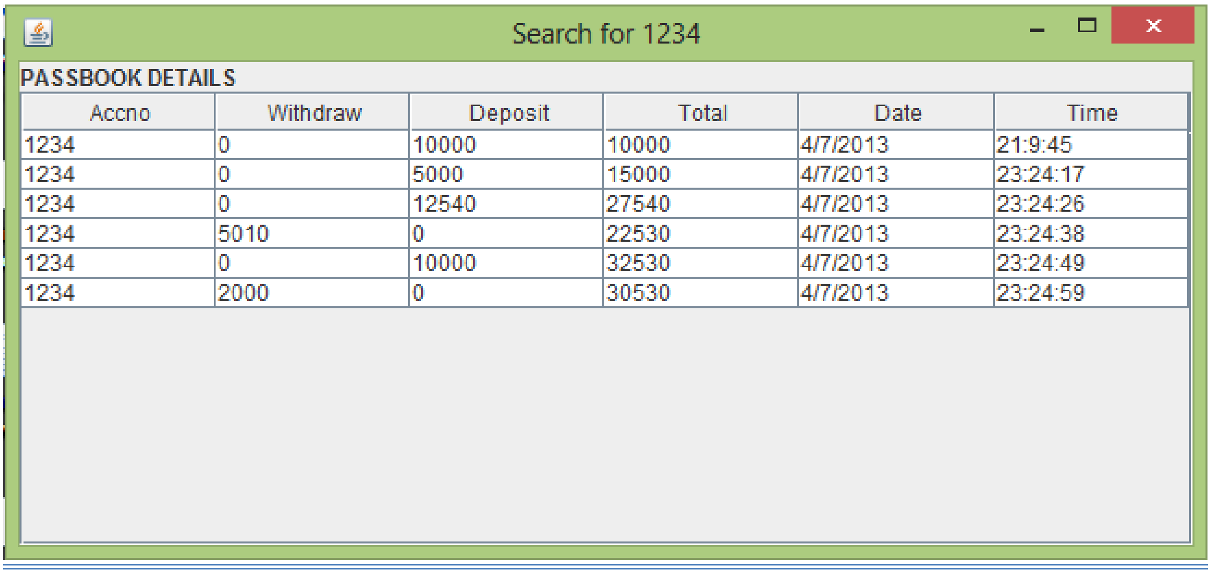
PASSBOOK DETAILS

Accno	Withdraw	Deposit	Total	Date	Time
5678	0	30000	30000	4/7/2013	21:10:37
5678	0	5000	35000	5/7/2013	0:7:10



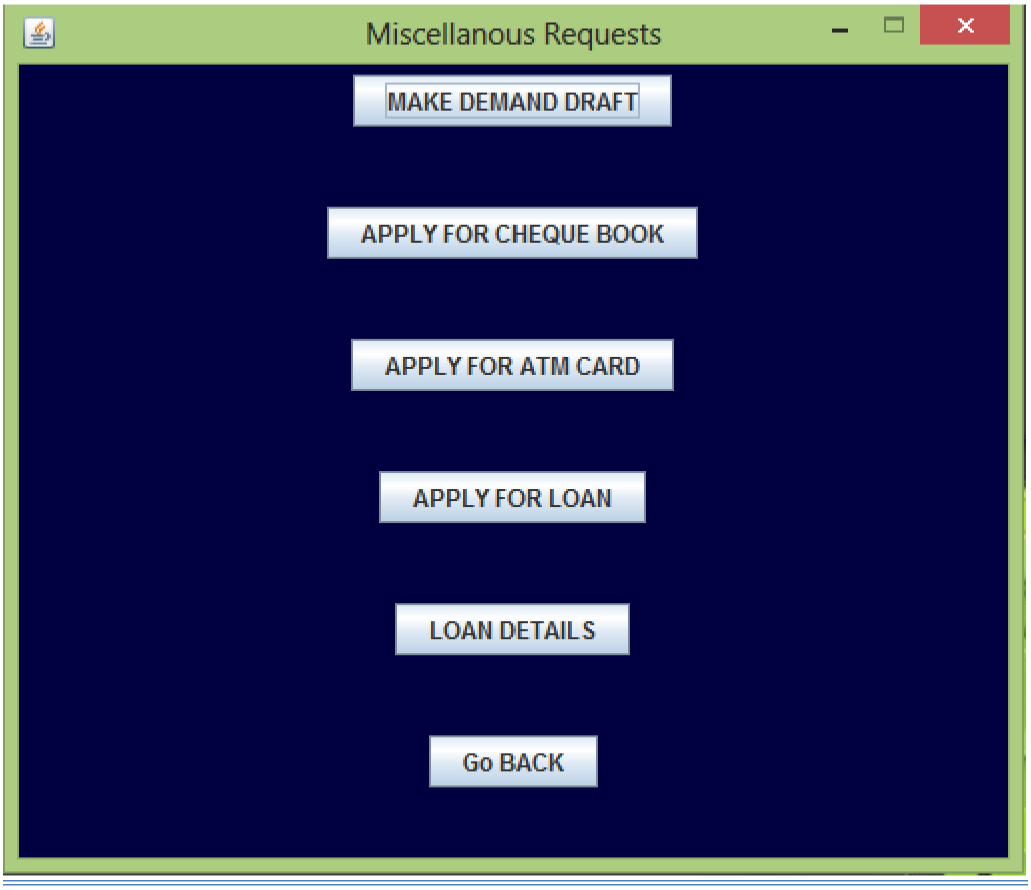
Enter A/C no

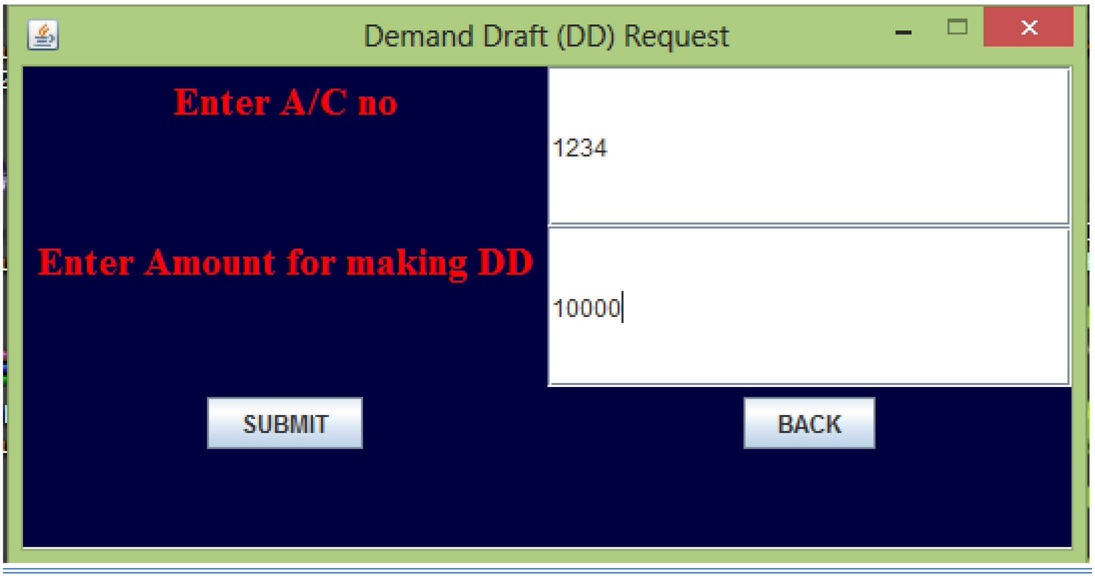
1234



PASSBOOK DETAILS

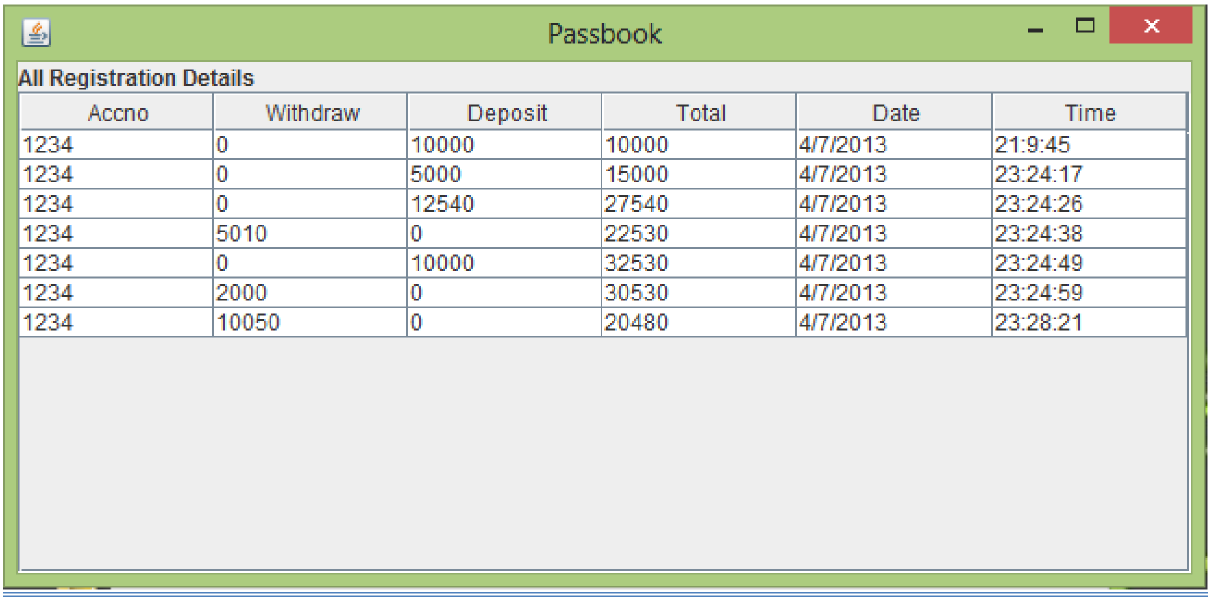
Accno	Withdraw	Deposit	Total	Date	Time
1234	0	10000	10000	4/7/2013	21:9:45
1234	0	5000	15000	4/7/2013	23:24:17
1234	0	12540	27540	4/7/2013	23:24:26
1234	5010	0	22530	4/7/2013	23:24:38
1234	0	10000	32530	4/7/2013	23:24:49
1234	2000	0	30530	4/7/2013	23:24:59





Enter A/C no 1234

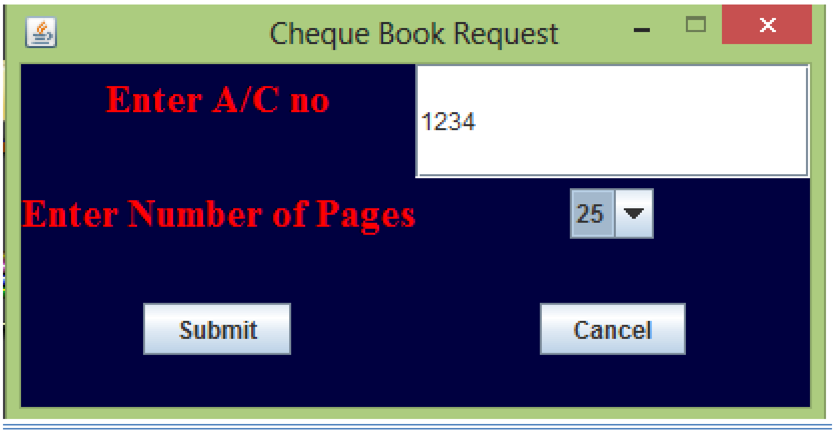
Enter Amount for making DD 10000



Passbook

All Registration Details

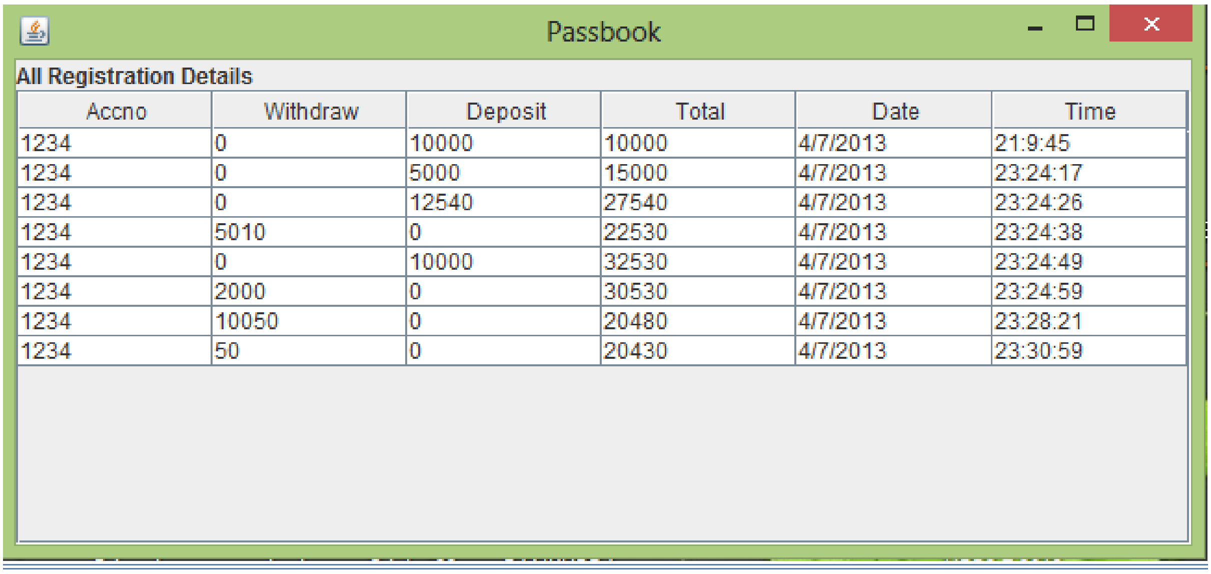
Accno	Withdraw	Deposit	Total	Date	Time
1234	0	10000	10000	4/7/2013	21:9:45
1234	0	5000	15000	4/7/2013	23:24:17
1234	0	12540	27540	4/7/2013	23:24:26
1234	5010	0	22530	4/7/2013	23:24:38
1234	0	10000	32530	4/7/2013	23:24:49
1234	2000	0	30530	4/7/2013	23:24:59
1234	10050	0	20480	4/7/2013	23:28:21



Cheque Book Request

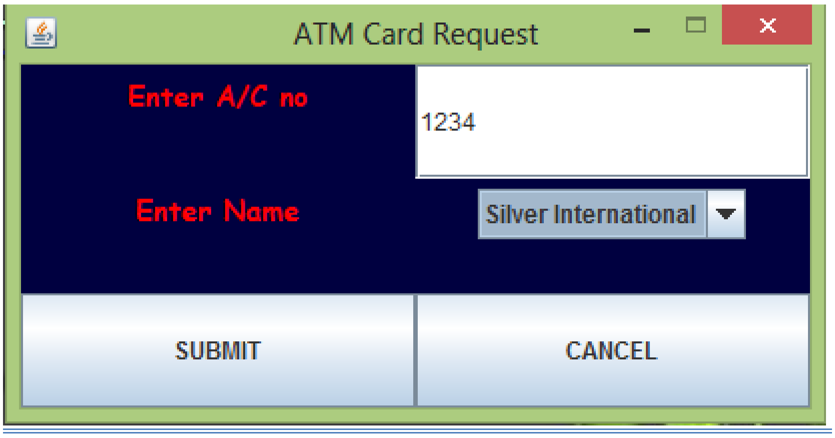
Enter A/C no 1234

Enter Number of Pages 25



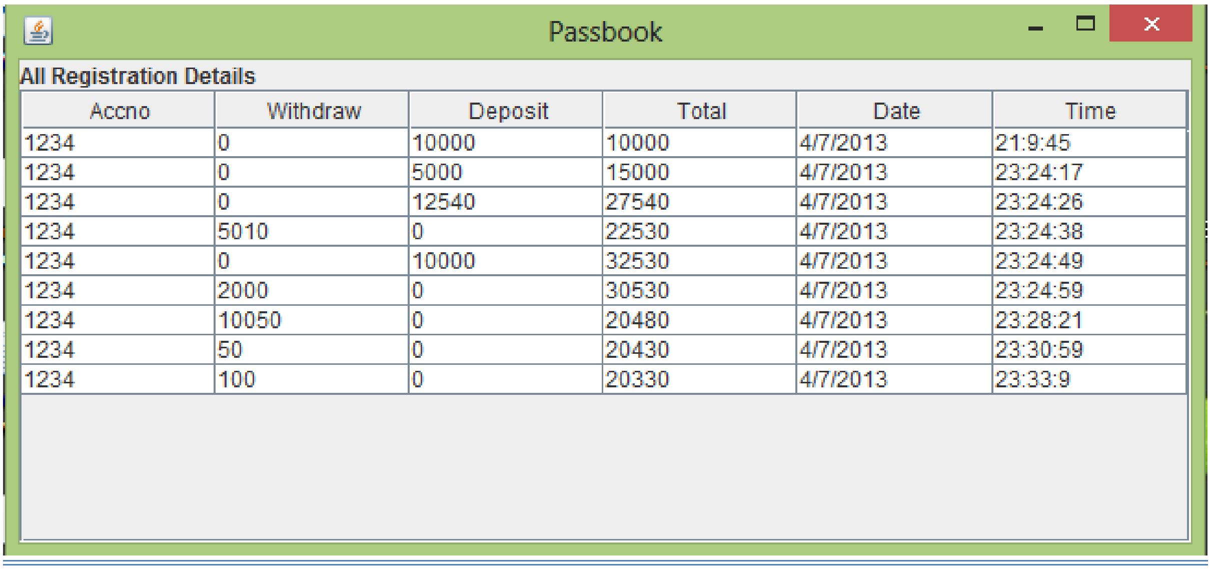
All Registration Details

Accno	Withdraw	Deposit	Total	Date	Time
1234	0	10000	10000	4/7/2013	21:9:45
1234	0	5000	15000	4/7/2013	23:24:17
1234	0	12540	27540	4/7/2013	23:24:26
1234	5010	0	22530	4/7/2013	23:24:38
1234	0	10000	32530	4/7/2013	23:24:49
1234	2000	0	30530	4/7/2013	23:24:59
1234	10050	0	20480	4/7/2013	23:28:21
1234	50	0	20430	4/7/2013	23:30:59



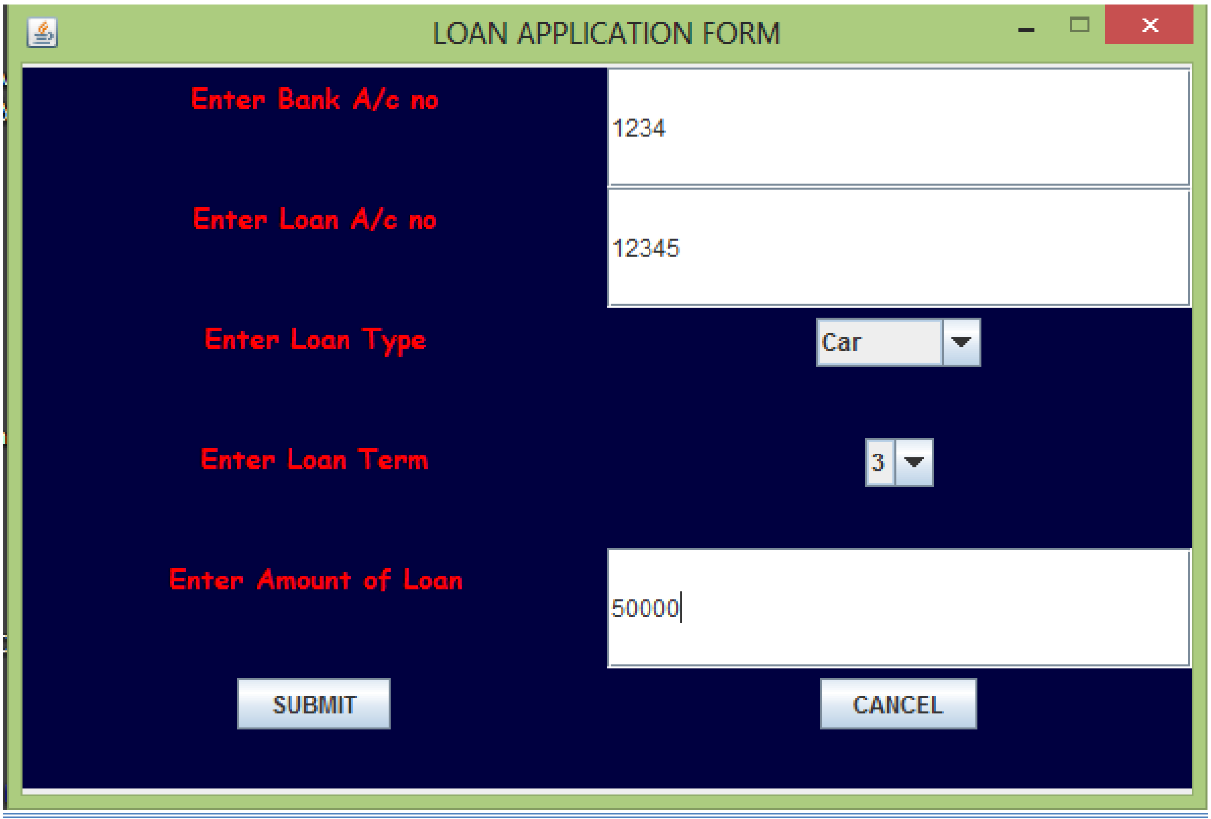
Enter A/C no 1234

Enter Name Silver International



All Registration Details

Accno	Withdraw	Deposit	Total	Date	Time
1234	0	10000	10000	4/7/2013	21:9:45
1234	0	5000	15000	4/7/2013	23:24:17
1234	0	12540	27540	4/7/2013	23:24:26
1234	5010	0	22530	4/7/2013	23:24:38
1234	0	10000	32530	4/7/2013	23:24:49
1234	2000	0	30530	4/7/2013	23:24:59
1234	10050	0	20480	4/7/2013	23:28:21
1234	50	0	20430	4/7/2013	23:30:59
1234	100	0	20330	4/7/2013	23:33:9



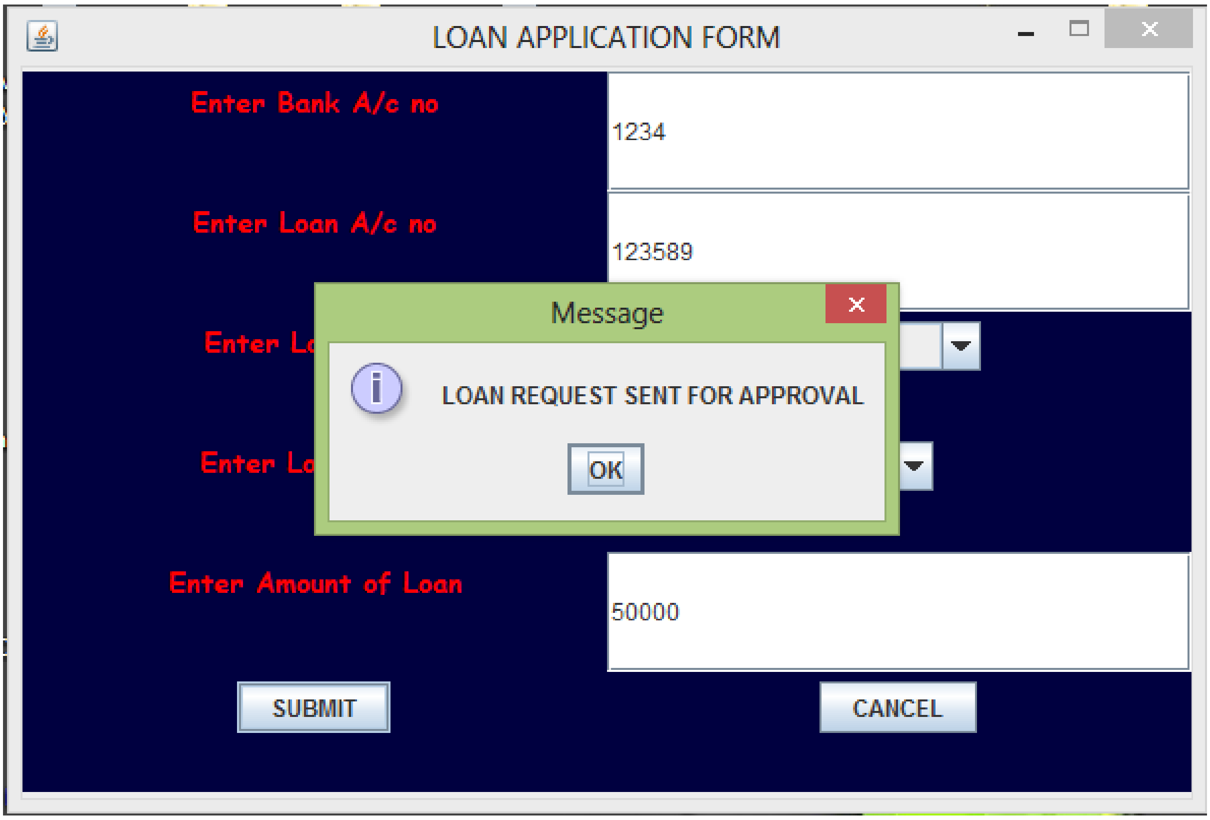
Enter Bank A/c no 1234

Enter Loan A/c no 12345

Enter Loan Type Car

Enter Loan Term 3

Enter Amount of Loan 50000



Enter Bank A/c no: 1234

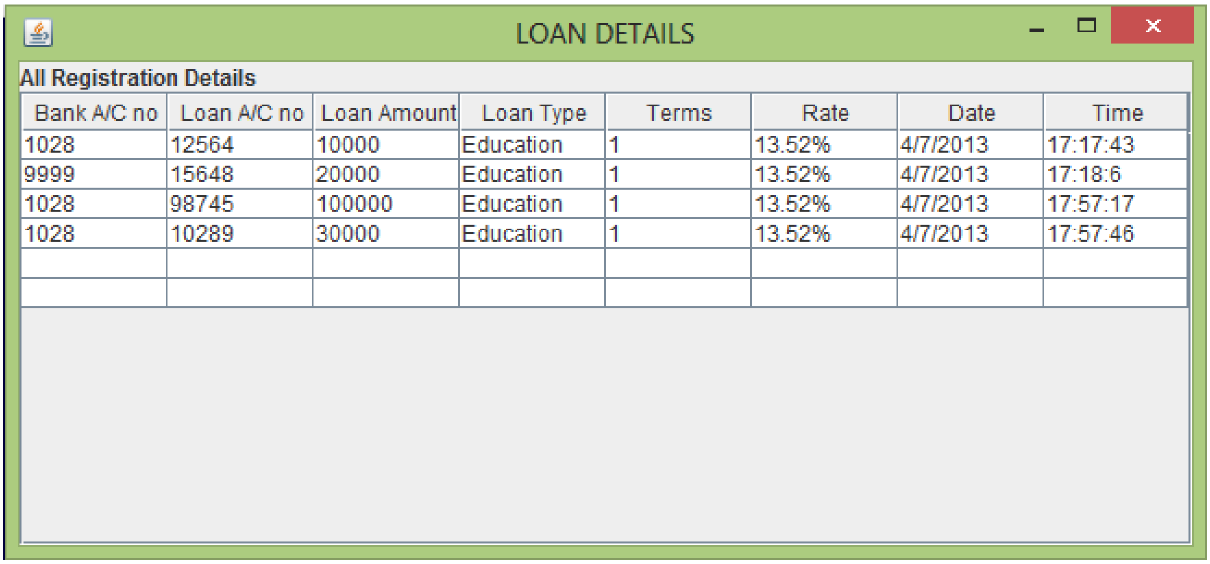
Enter Loan A/c no: 123589

Enter Lo

Enter Lo

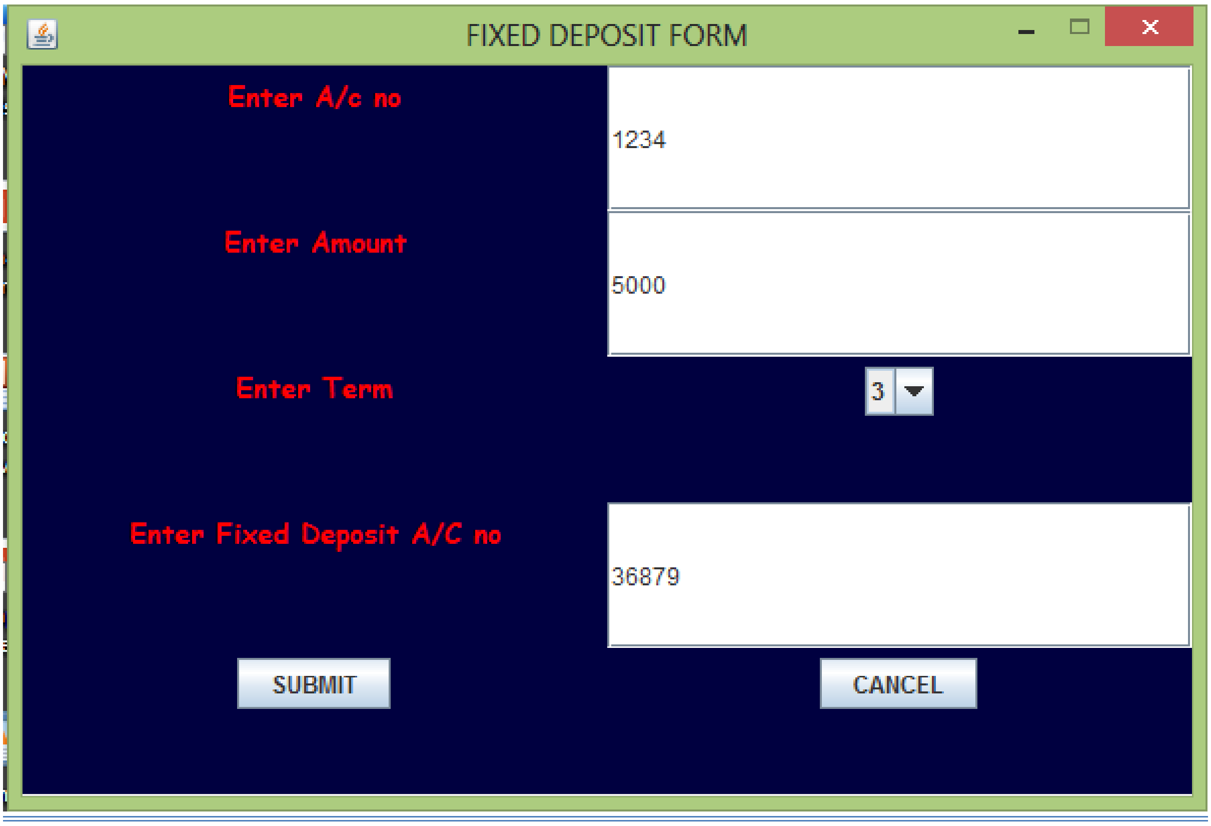
Enter Amount of Loan: 50000

LOAN REQUEST SENT FOR APPROVAL



All Registration Details

Bank A/C no	Loan A/C no	Loan Amount	Loan Type	Terms	Rate	Date	Time
1028	12564	10000	Education	1	13.52%	4/7/2013	17:17:43
9999	15648	20000	Education	1	13.52%	4/7/2013	17:18:6
1028	98745	100000	Education	1	13.52%	4/7/2013	17:57:17
1028	10289	30000	Education	1	13.52%	4/7/2013	17:57:46



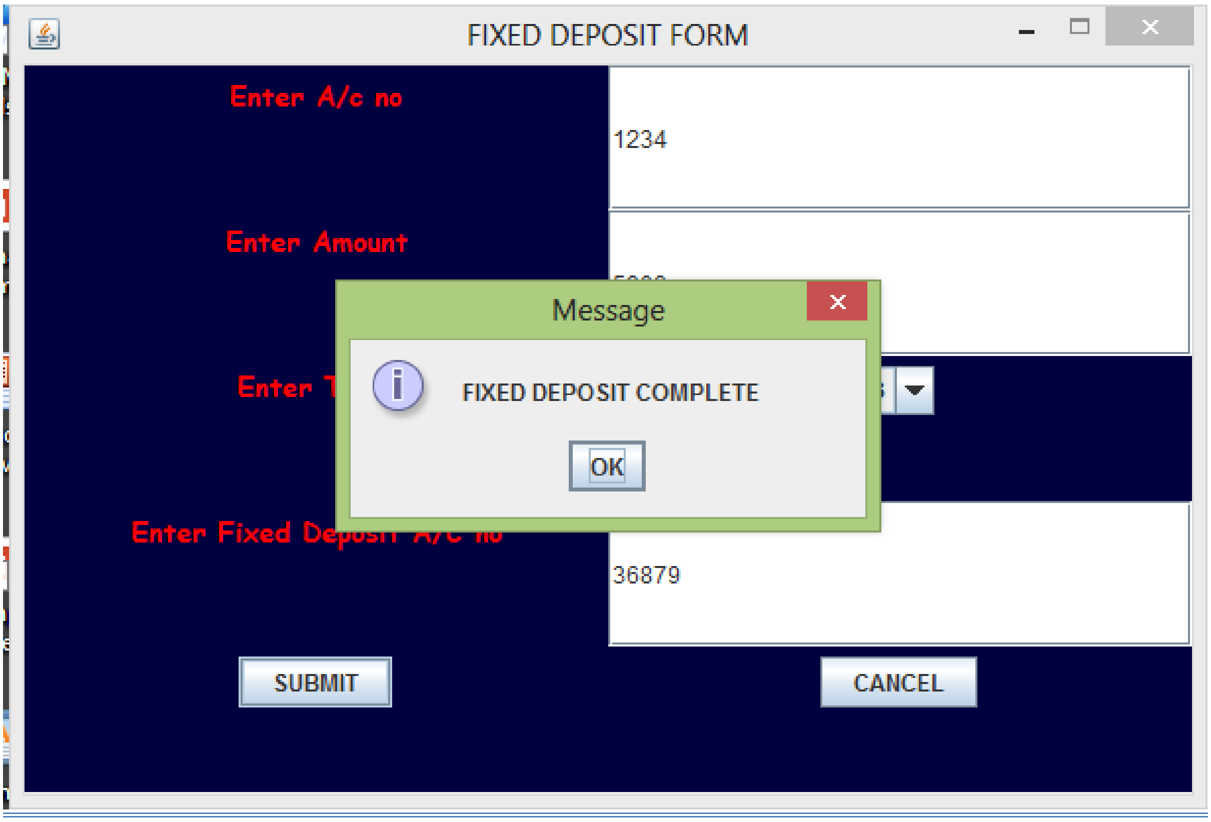
FIXED DEPOSIT FORM

Enter A/c no: 1234

Enter Amount: 5000

Enter Term: 3

Enter Fixed Deposit A/C no: 36879



FIXED DEPOSIT FORM

Enter A/c no 1234

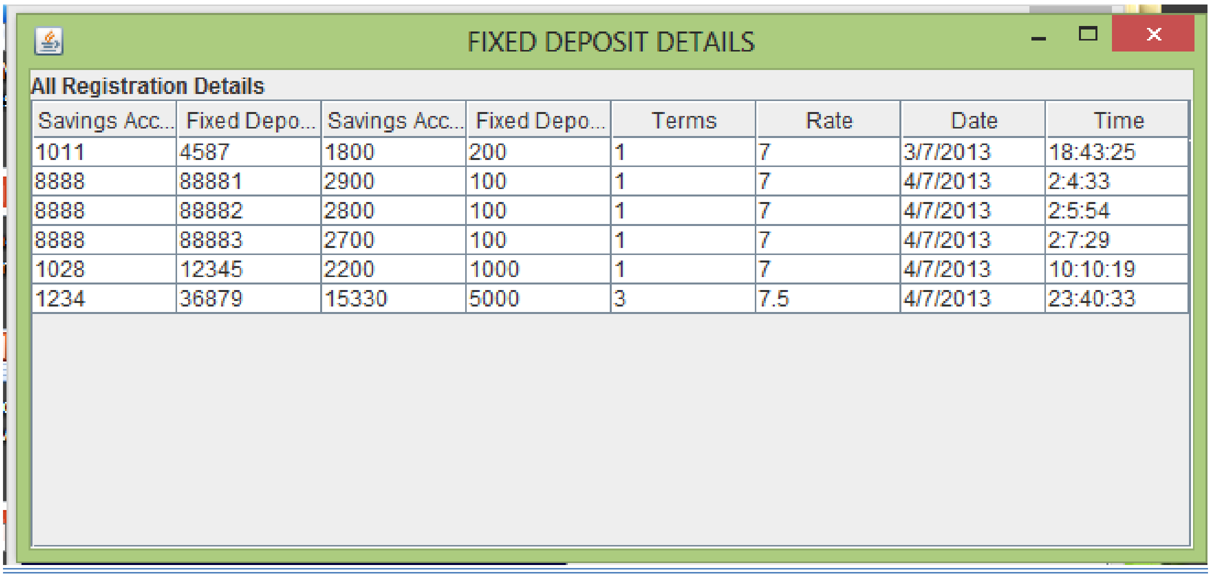
Enter Amount

Enter T

Enter Fixed Deposit A/c no 36879

Message

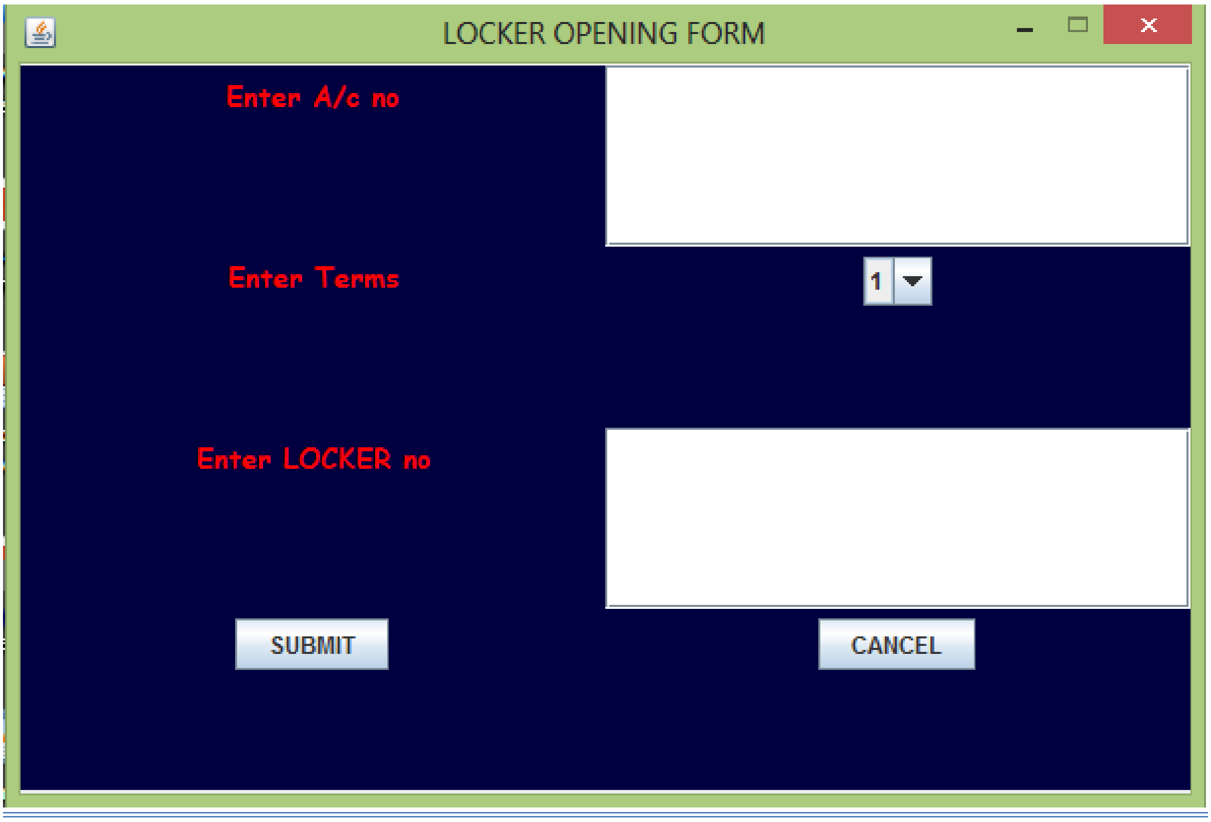
FIXED DEPOSIT COMPLETE



FIXED DEPOSIT DETAILS

All Registration Details

Savings Acc...	Fixed Depo...	Savings Acc...	Fixed Depo...	Terms	Rate	Date	Time
1011	4587	1800	200	1	7	3/7/2013	18:43:25
8888	88881	2900	100	1	7	4/7/2013	2:4:33
8888	88882	2800	100	1	7	4/7/2013	2:5:54
8888	88883	2700	100	1	7	4/7/2013	2:7:29
1028	12345	2200	1000	1	7	4/7/2013	10:10:19
1234	36879	15330	5000	3	7.5	4/7/2013	23:40:33



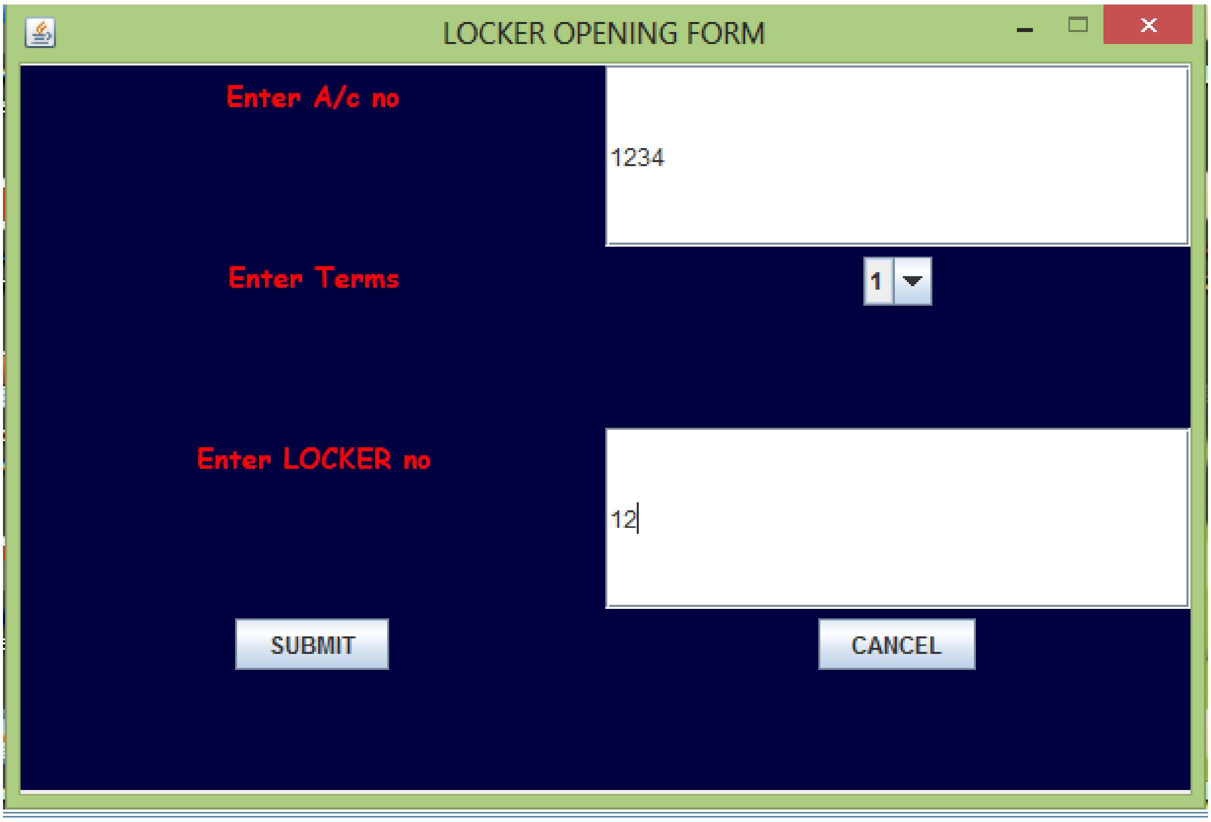
LOCKER OPENING FORM

Enter A/c no

Enter Terms

1

Enter LOCKER no

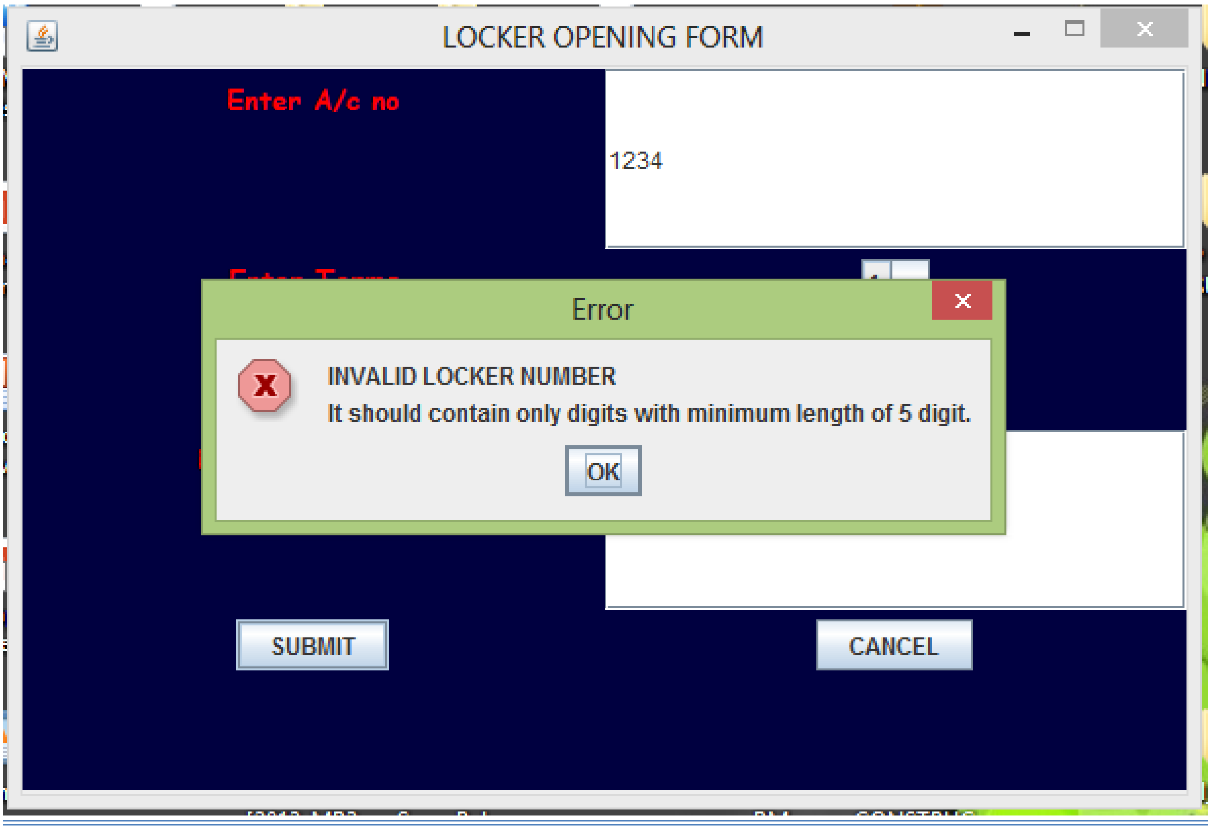


LOCKER OPENING FORM

Enter A/c no 1234

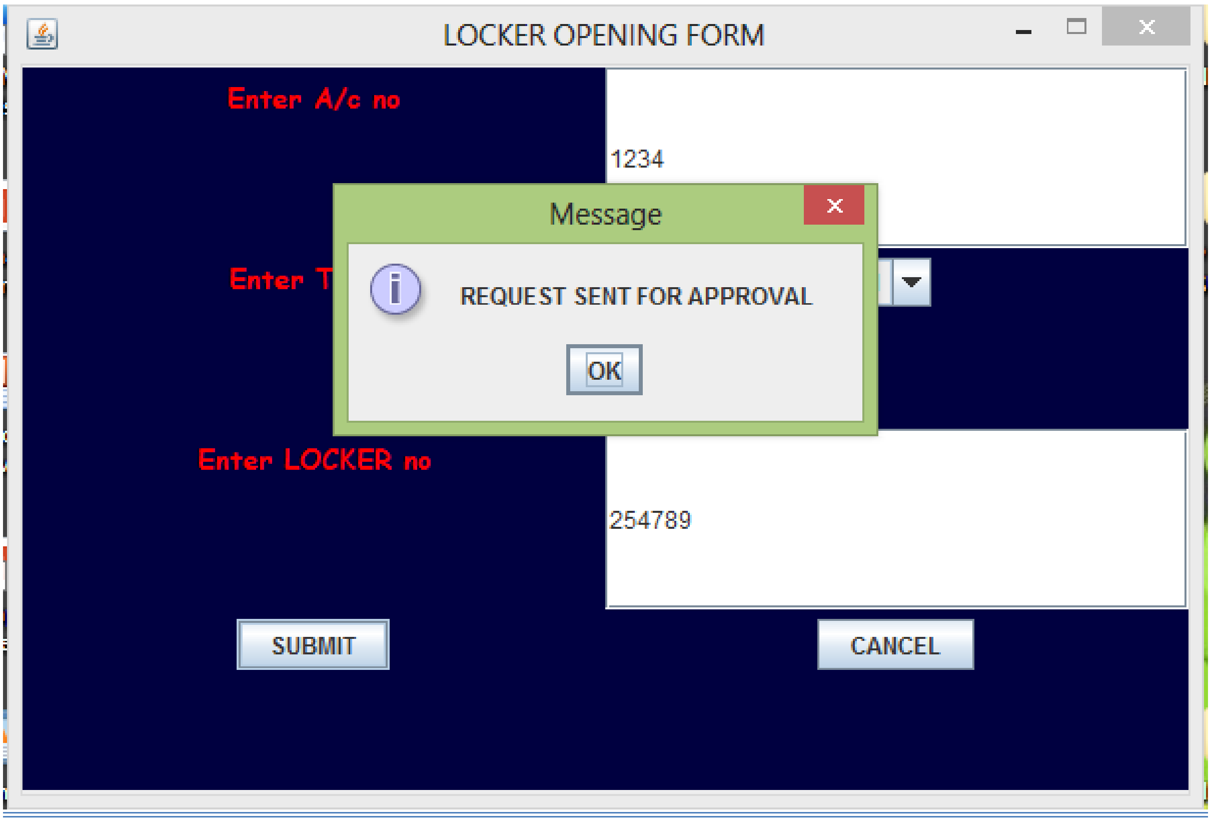
Enter Terms 1

Enter LOCKER no 12



Enter A/c no 1234

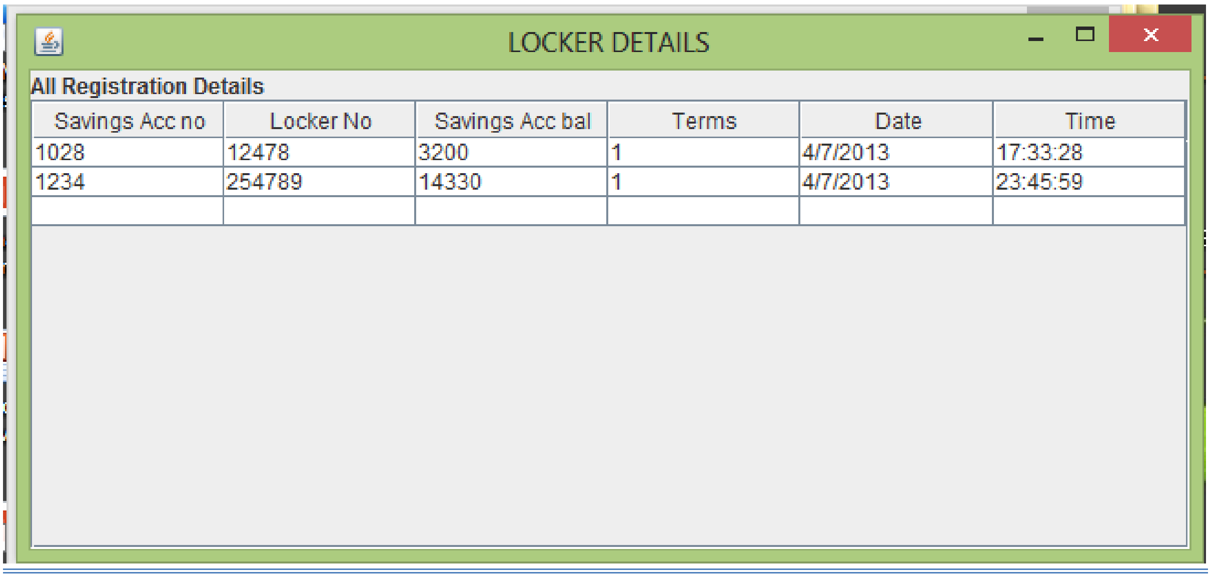
INVALID LOCKER NUMBER
It should contain only digits with minimum length of 5 digit.



Enter A/c no 1234

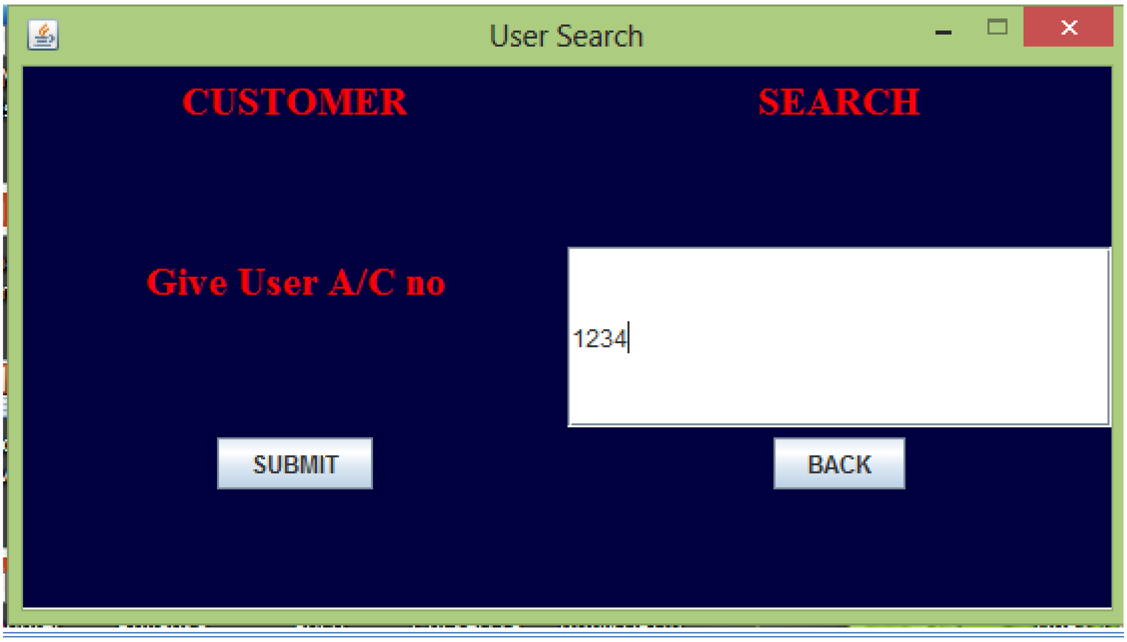
Enter LOCKER no 254789

REQUEST SENT FOR APPROVAL

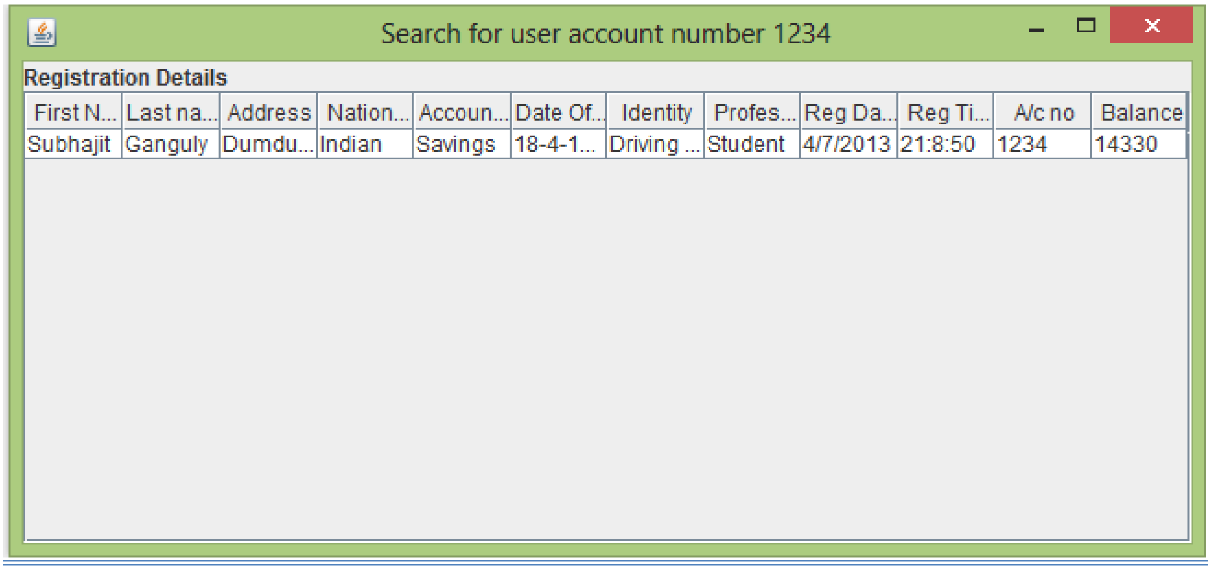


All Registration Details

Savings Acc no	Locker No	Savings Acc bal	Terms	Date	Time
1028	12478	3200	1	4/7/2013	17:33:28
1234	254789	14330	1	4/7/2013	23:45:59



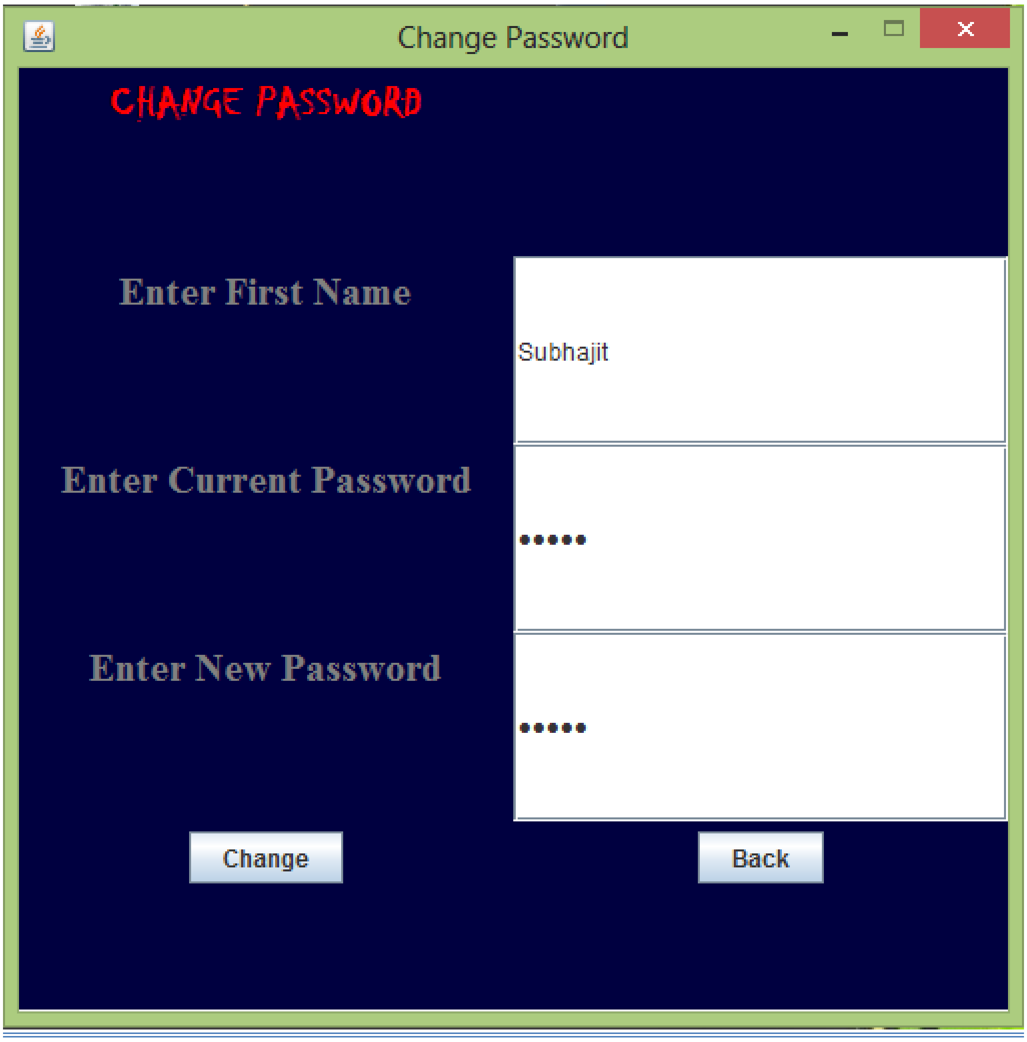
Give User A/C no 1234



Search for user account number 1234

Registration Details

First N...	Last na...	Address	Nation...	Accoun...	Date Of...	Identity	Profes...	Reg Da...	Reg Ti...	A/c no	Balance
Subhajit	Ganguly	Dumdu...	Indian	Savings	18-4-1...	Driving ...	Student	4/7/2013	21:8:50	1234	14330



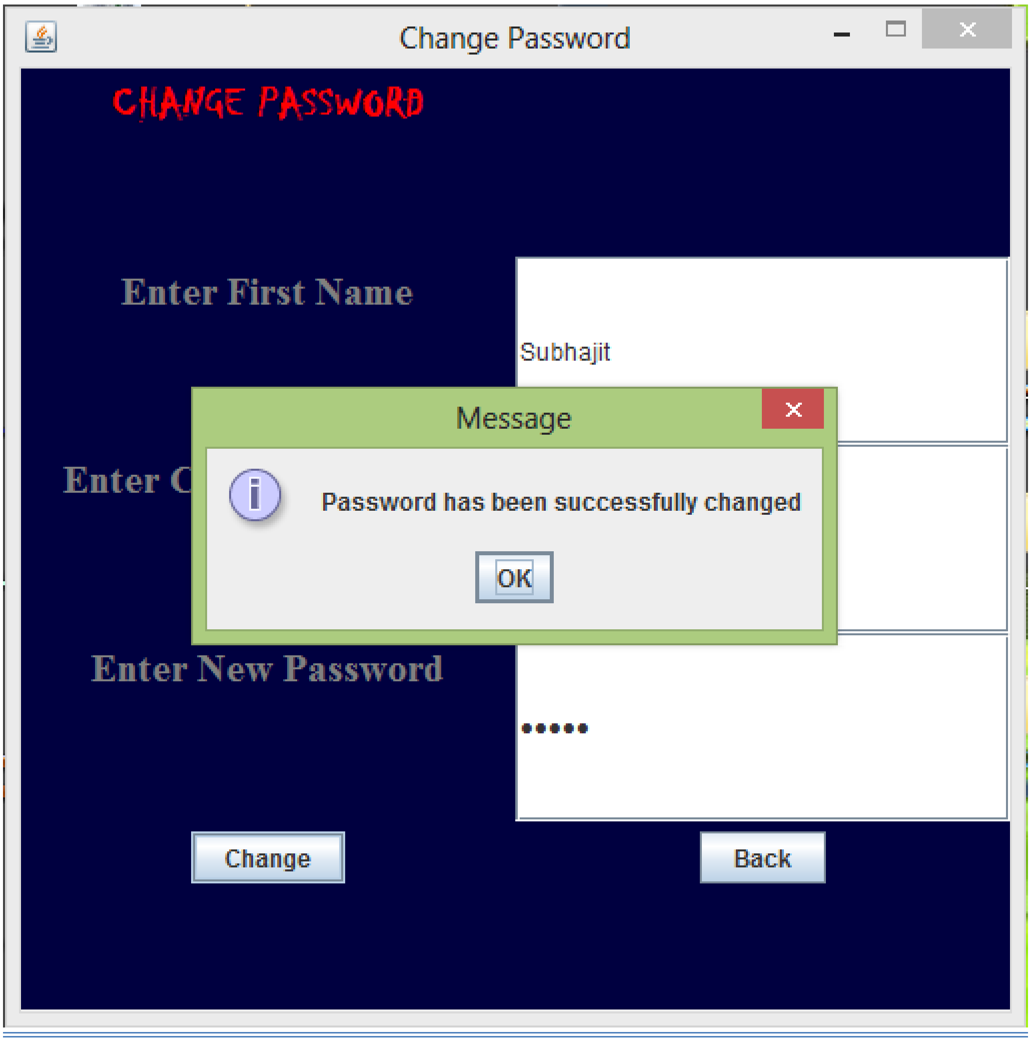
Change Password

CHANGE PASSWORD

Enter First Name: Subhajit

Enter Current Password: •••••

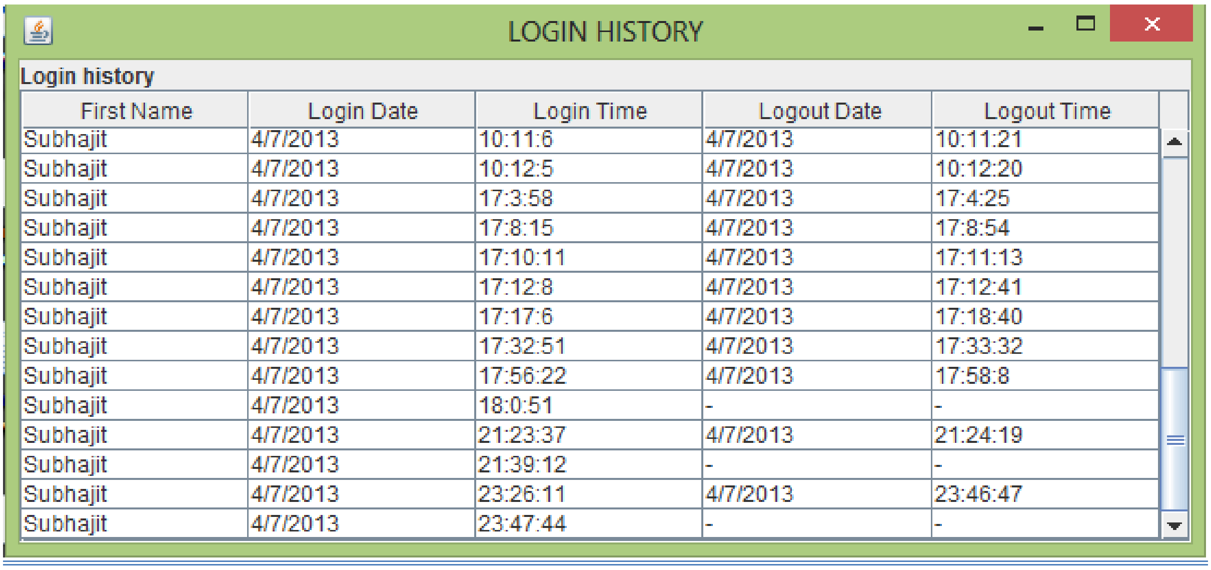
Enter New Password: •••••



Enter First Name: Subhajit

Enter New Password: •••••

Password has been successfully changed



Login history

First Name	Login Date	Login Time	Logout Date	Logout Time
Subhajit	4/7/2013	10:11:6	4/7/2013	10:11:21
Subhajit	4/7/2013	10:12:5	4/7/2013	10:12:20
Subhajit	4/7/2013	17:3:58	4/7/2013	17:4:25
Subhajit	4/7/2013	17:8:15	4/7/2013	17:8:54
Subhajit	4/7/2013	17:10:11	4/7/2013	17:11:13
Subhajit	4/7/2013	17:12:8	4/7/2013	17:12:41
Subhajit	4/7/2013	17:17:6	4/7/2013	17:18:40
Subhajit	4/7/2013	17:32:51	4/7/2013	17:33:32
Subhajit	4/7/2013	17:56:22	4/7/2013	17:58:8
Subhajit	4/7/2013	18:0:51	-	-
Subhajit	4/7/2013	21:23:37	4/7/2013	21:24:19
Subhajit	4/7/2013	21:39:12	-	-
Subhajit	4/7/2013	23:26:11	4/7/2013	23:46:47
Subhajit	4/7/2013	23:47:44	-	-

FUTURE SCOPE OF IMPROVEMENT

First of all we would like to thank God as finally we were able to finish our project that was given to us. This task had been done with all effort by our group members.

If at all we would like to improve then we would have loved to add certain new functionalities as well provided we had the time to do it. But as the time span for doing our project was limited we had to be satisfied with this much.

We would have loved features like editing profile, approval of the fixed deposit. More importantly we would have added some graphical features if we had the time to do it.In our present version of our project we haven't added any graphics but we would have loved to do it.

With the use of JAVA which is object-oriented programming approach, has been very useful in doing our project but we couldn't avail of the online facility such as online transactions. This type of online transactions could have been done if we had used used other platforms but that's the utmost.

But overall we are all very satisfied with our effort in making this a very successful project. All that we had thought of is executed in our project by the dedication of our group.

CODE

```
package test;

import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.Color;
import java.util.*;
import java.awt.Container;
import java.awt.Font;
import java.awt.GridLayout;
import javax.swing.table.DefaultTableModel;


import javax.swing.*;


class FirstWindow extends JFrame implements ActionListener
{
      private JLabel l0,l1,l2,l3;
      private JButton admin,user;



      public FirstWindow(String title)
      {
            super("WELCOME TO UNITED BANK OF PARTNERS");

            Container c=getContentPane();
            c.setLayout(new GridLayout(3,2));

            Font f1=new Font("Times New Roman",Font.BOLD,25);
            l0=new JLabel("WELCOME TO UNITED");
            l0.setFont(f1);
            l0.setForeground(Color.WHITE);
            JPanel fpanel=new JPanel();
            fpanel.add(l0);
            fpanel.setBackground(new Color(0,0,64));

            l1=new JLabel("BANK OF PARTNERS      ");
            l1.setFont(f1);
            l1.setForeground(Color.WHITE);
            JPanel spanel=new JPanel();
            spanel.add(l1);
            spanel.setBackground(new Color(0,0,64));
```

```
           l3=new JLabel("AS:
");
           l3.setFont(f1);
           l3.setForeground(Color.WHITE);


           JPanel xpanel=new JPanel();
           xpanel.add(l3);
           xpanel.setBackground(new Color(0,0,64));

           Font f2=new Font("Times New Roman",Font.BOLD,25);
           l2=new JLabel("                               LOGIN");
           l2.setFont(f2);
           l2.setForeground(Color.WHITE);
           //l1.setBorder(new
javax.swing.border.LineBorder(java.awt.Color.GREEN, 4));
           JPanel ppanel=new JPanel();
           ppanel.add(l2);
           ppanel.setBackground(new Color(0,0,64));



           admin=new JButton("ADMINISTRATOR");

           JPanel gpanel=new JPanel();
           gpanel.add(admin);
           gpanel.setBackground(new Color(0,0,64));
           admin.addActionListener(this);

        gpanel.add(new JLabel(""));

           user=new JButton("OPERATOR");
           JPanel qpanel=new JPanel();
           qpanel.add(user);
           qpanel.setBackground(new Color(0,0,64));
           user.addActionListener(this);
           qpanel.add(user);


           c.add(fpanel);c.add(spanel);
           c.add(ppanel);c.add(xpanel);
           c.add(gpanel);c.add(qpanel);

           setSize(600,450);
           setLocation(200,200);
           setResizable(false);
           setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
           setVisible(true);

      }



      @Override
      public void actionPerformed(ActionEvent e)
      {
           if(e.getSource()==admin)
           {
           //JOptionPane.showMessageDialog(this, "HELLO....");
           new SecondWindow() ;
           setVisible(false);
           }
           if(e.getSource()==user)
           {
           //JOptionPane.showMessageDialog(this, "HELLO....");
           new ThirdWindow() ;
           setVisible(false);
           }



      }

}


public class Main
{

      public static void main(String[] args)
      {
           new FirstWindow("WELCOME TO UNITED BANK OF PARTNERS");

      }

}

import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.Color;
import java.util.*;
import java.awt.Component;
import java.awt.Container;
import java.awt.Font;
import java.awt.GridLayout;

import javax.swing.*;

class SecondWindow extends JFrame implements ActionListener
{
      private JLabel l0,l1,l2,l3;
      private JTextField t1;
      private JPasswordField p1;
      private JButton login,cancel;

      private String sysDate,sysTime;

      private ArrayList<AdminLoginHistoryData> alist = new
ArrayList<AdminLoginHistoryData>();

      //private JLabel lTimeValue;
      //private JLabel lDateValue;
```

```
//private Component lDate;
//private Component lTime;
private boolean flagID = false;
private boolean flagPass = false;

public SecondWindow()
{
      super("Login as Administrator");
      Container c=getContentPane();
      c.setLayout(new GridLayout(4,2));

      Font f1=new Font("Times New Roman",Font.BOLD,20);
      l1=new JLabel("                ADMINISTRATOR");
      l1.setFont(f1);
      l1.setForeground(Color.RED);
      JPanel fpanel=new JPanel();
      fpanel.add(l1);
      fpanel.setBackground(new Color(0,0,64));

      l0=new JLabel("LOGIN                            ");
      l0.setFont(f1);
      l0.setForeground(Color.RED);
      JPanel epanel=new JPanel();
      epanel.add(l0);
      epanel.setBackground(new Color(0,0,64));

      //Font f1=new Font("Times New Roman",Font.BOLD,20);
      l2=new JLabel("USERNAME");
      l2.setFont(f1);
      l2.setForeground(Color.RED);
      JPanel apanel=new JPanel();
      apanel.add(l2);
      apanel.setBackground(new Color(0,0,64));


      //Font f1=new Font("Times New Roman",Font.BOLD,20);
      l3=new JLabel("PASSWORD");
      l3.setFont(f1);
      l3.setForeground(Color.RED);
      JPanel bpanel=new JPanel();
      bpanel.add(l3);
      bpanel.setBackground(new Color(0,0,64));


      t1=new JTextField();
      p1=new JPasswordField();

      login=new JButton("LOGIN");
      login.addActionListener(this);
      JPanel cpanel=new JPanel();
      cpanel.add(login);
      cpanel.setBackground(new Color(0,0,64));


      cancel=new JButton("CANCEL");
      cancel.addActionListener(this);
```

```
     JPanel dpanel=new JPanel();
     dpanel.add(cancel);
     dpanel.setBackground(new Color(0,0,64));


     /*******DATE********************/

     Calendar cal = Calendar.getInstance();

     String cday = ""+cal.get(Calendar.DATE);
     int x =cal.get(Calendar.MONTH);
     String cmonth = ""+(x+1);
     String cyear =""+cal.get(Calendar.YEAR);
     sysDate = cday+"/"+cmonth+"/"+cyear;

     //lDateValue = new JLabel(sysDate);


    String chr = ""+cal.get(Calendar.HOUR_OF_DAY);
     String cmin = ""+cal.get(Calendar.MINUTE);
     String csec =""+cal.get(Calendar.SECOND);
     sysTime = chr+":"+cmin+":"+csec;

     /*lTimeValue=new JLabel(sysTime);


     JPanel datePanel = new JPanel();
     datePanel.add(lDate);
     datePanel.add(lDateValue);

     JPanel timePanel = new JPanel();
     timePanel.add(lTime);
     timePanel.add(lTimeValue);*/


     /*********************************/



     c.add(fpanel);c.add(epanel);
     c.add(apanel);c.add(t1);
     c.add(bpanel);c.add(p1);
     c.add(cpanel);c.add(dpanel);

     setSize(500,425);
     setLocation(200,200);
     setResizable(false);
     setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
     setVisible(true);
}

@Override
public void actionPerformed(ActionEvent e)
{

     AdminLoginHistoryData obj;
```

```
            if(e.getSource()==login)
            {




                  /******validation check********/

                   String n = t1.getText().trim();
                  String ps = p1.getText().trim();


                  /* user id check
                   * */


                  String namepattern = "^[A-Za-z]";
                  Scanner   scan  =  new Scanner( n ) ;
                  String   matched  =  scan.findInLine( namepattern )
;
                  if ( matched == null )
                  {
                   //JOptionPane.showMessageDialog(this, "INVALID USER
NAME\nIt should contain only alphabet.");
                   JOptionPane.showMessageDialog(this, "INVALID USER
NAME\nIt should contain only alphabet.", "Error",
JOptionPane.ERROR_MESSAGE);
                      t1.setText("");
                  }
                  else
                  {
                   flagID = true;
                  }



                  String passwordpattern = "^[0-9]{4}" ;
                  Scanner   scan2  =  new Scanner( ps ) ;
                  String   matched2  =  scan2.findInLine(
passwordpattern ) ;
                  if ( matched2 == null )
                  {
                   //JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.");
                   JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.", "Error", JOptionPane.ERROR_MESSAGE);
                      p1.setText("");
                  }
                  else
                  {
                   flagPass = true;
                  }
```

```
                 /*******************************/


                /********if the both are valid the *************/

                if(flagID == true )
                {
                  if(flagPass == true)
                  {
                        /*user id and pass word check ------> login
                             * */
                            if(t1.getText().equals("admin") &&
p1.getText().equals("1234"))
                            {


      /********************************************************1******
******************************************************************/

                                  obj = new AdminLoginHistoryData();

                                  obj.setALoginDate(sysDate);
                                  obj.setALoginTime(sysTime);
                                  obj.setALogoutDate("  -     ");
                                  obj.setALogoutTime("  -     ");

                                  alist.add(obj);


                                  new AdminLoginHistoryAddInfo(obj);







      /********************************************************2******
******************************************************************/

                                  JOptionPane.showMessageDialog(this,
"Welcome Administrator");
                                  new Admin() ;
                                  setVisible(false);
                            }

                            /* else part password error
                             * */

                            else
                            {

      //JOptionPane.showMessageDialog(this, "Wrong
username/password...\nTry again");
```

```
                                 JOptionPane.showMessageDialog(this,
"Wrong username/password...\nTry again", "Error",
JOptionPane.ERROR_MESSAGE);
                                 t1.setText("");
                                 p1.setText("");
                           }
                 }

                }
                flagID = false;
                flagPass = false;
          }


           /**********************   NOT USABLE PART
     *******************************************/
           /*else
           {
                JOptionPane.showMessageDialog(this, "Try Agian");
           }*/


                /*user id and pass word check ------> login
                 * */
                /*if(t1.getText().equals("admin") &&
p1.getText().equals("1234"))
                {
                      JOptionPane.showMessageDialog(this, "Welcome
Administrator");
                      new Admin() ;
                      setVisible(false);
                }*/



                /******subhranshsu******/

                /*if(t1.getText().equals("admin"))
                {
                      char [] pwd=p1.getPassword();
                      String str=new String(pwd);
                      if(str.equals("1234"))
                      {

                           JOptionPane.showMessageDialog(this,
"Welcome Administrator");
                           new Admin() ;
                           setVisible(false);

                      }
                }*/

                /*******************************************/

                /* else part password error
                 * */
                /*else
                {
                     JOptionPane.showMessageDialog(this, "Wrong 
username/password..");
                     t1.setText("");
                     p1.setText("");
                }

                }*/



     /**********************************************************
*******************/
           if(e.getSource()==cancel)
           {
             int con=JOptionPane.showConfirmDialog(this, "Are you 
sure to cancel?");

                if(con==JOptionPane.YES_OPTION)
                {
                   new FirstWindow("");
                   setVisible(false);
                }


           }
     }

}

public class Main1
{

     public static void main(String[] args)
     {


     }

}
import java.awt.Container;
import java.awt.GridLayout;
import java.awt.Color;
import java.util.*;
import java.awt.Container;
import java.awt.Font;
import java.awt.GridLayout;
import java.awt.event.ActionListener; //to sense mouse click
import java.awt.event.ActionEvent;
import java.io.Serializable;
import java.util.Calendar;

import javax.swing.*;
public class Actotal extends JFrame implements Serializable
{
      private int total;
      private int account;
      private int depo;
      private int withdraw1;
      private String date;
      private String time;
      public String getDate() {
           return date;
      }
      public void setDate(String date) {
           this.date = date;
      }
      public String getTime() {
           return time;
      }
      public void setTime(String time) {
           this.time = time;
      }
      public int getTotal() {
           return total;
      }
      public void setTotal(int total) {
           this.total = total;
      }
      public int getAccount() {
           return account;
      }
      public void setAccount(int account) {
           this.account = account;
      }
      public int getDepo() {
           return depo;
      }
      public void setDepo(int depo) {
           this.depo = depo;
      }
      public int getWithdraw1() {
           return withdraw1;
      }
      public void setWithdraw1(int withdraw1) {
           this.withdraw1 = withdraw1;
      }

}

import java.awt.Container;
import java.awt.GridLayout;
import java.awt.Color;
import java.util.*;
import java.awt.Container;
import java.awt.Font;
import java.awt.GridLayout;
import java.awt.event.ActionListener; //to sense mouse click
import java.awt.event.ActionEvent;
import java.io.Serializable;
import java.util.Calendar;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;
import java.util.ArrayList;


import javax.swing.*;
public class Actotalcreate extends JFrame
{
      private String sysdate,systime;
      //ArrayList<Create> list1;
      Actotal sd=new Actotal();
      Actotalcreate(int a,int b,int d,int t)
      {
        Calendar cal = Calendar.getInstance();

           String cday = ""+cal.get(Calendar.DATE);
           int x =cal.get(Calendar.MONTH);
           String cmonth = ""+(x+1);
           String cyear =""+cal.get(Calendar.YEAR);
           sysdate = cday+"/"+cmonth+"/"+cyear;

           String chr = ""+cal.get(Calendar.HOUR_OF_DAY);
           String cmin = ""+cal.get(Calendar.MINUTE);
           String csec =""+cal.get(Calendar.SECOND);
           systime = chr+":"+cmin+":"+csec;

           sd.setAccount(a);
           sd.setWithdraw1(b);
           sd.setDepo(d);
           sd.setTotal(t);
           sd.setDate(sysdate);
           sd.setTime(systime);
           ArrayList<Actotal> list4;
           try
           {
              FileInputStream fin=new
FileInputStream("actotal.dat");
              ObjectInputStream oin=new ObjectInputStream(fin);
              list4=(ArrayList<Actotal>)oin.readObject();
           }catch(Exception e)
            {
                 list4=new ArrayList<Actotal>();
            }

            list4.add(sd);

            try
            {
                  FileOutputStream fout=new
FileOutputStream("actotal.dat");
                  ObjectOutputStream oout=new
ObjectOutputStream(fout);
                  oout.writeObject(list4);
           }catch(Exception e){}
      }
}

import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;
import java.util.ArrayList;

public class AddInformation1
{
   ArrayList<Create> list4;
  // ArrayList<Create>list2;

      public AddInformation1(Create rg1)
      {
            try
            {
               FileInputStream fin=new FileInputStream("Regis.dat");
               ObjectInputStream oin=new ObjectInputStream(fin);
               list4=(ArrayList<Create>)oin.readObject();
            }catch(Exception e)
             {
                  list4=new ArrayList<Create>();
             }

             list4.add(rg1);

             try
             {
                   FileOutputStream fout=new
FileOutputStream("Regis.dat");
                   ObjectOutputStream oout=new
ObjectOutputStream(fout);
                   oout.writeObject(list4);
            }catch(Exception e){}

      }
}

import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.Color;
import java.util.*;
import java.awt.Container;
import java.awt.Font;
import java.awt.GridLayout;

import javax.swing.*;

class Admin extends JFrame implements ActionListener
{
      private JLabel l1,l2;
      private JButton b1,b2,b3,b4,b5,b6,b7,b8;
      private JButton b9;
```

```
	private JButton b10;
	private String sysDate;
	private String sysTime;


	private ArrayList<AdminLoginHistoryData> alist = new
ArrayList<AdminLoginHistoryData>();
	private JButton b11;
	private JButton b12;
	private JButton b13;
	private JButton b14;

	public Admin()
	{
		/*********added******************/
		super("Welcome Administrator");
		/*********************************/

		/********DATE*********************/

		Calendar cal = Calendar.getInstance();

		String cday = ""+cal.get(Calendar.DATE);
		int x =cal.get(Calendar.MONTH);
		String cmonth = ""+(x+1);
		String cyear =""+cal.get(Calendar.YEAR);
		sysDate = cday+"/"+cmonth+"/"+cyear;

		//lDateValue = new JLabel(sysDate);


	       String chr = ""+cal.get(Calendar.HOUR_OF_DAY);
		String cmin = ""+cal.get(Calendar.MINUTE);
		String csec =""+cal.get(Calendar.SECOND);
		sysTime = chr+":"+cmin+":"+csec;

		/*************************************************/


		Container c=getContentPane();
		c.setLayout(new GridLayout(8,2));

		Font f1=new Font("Times New Roman",Font.BOLD,20);
		l1=new JLabel("ADMINISTRATOR");
		l1.setFont(f1);
		l1.setForeground(Color.RED);
		JPanel bpanel=new JPanel();
		bpanel.add(l1);
		bpanel.setBackground(new Color(0,0,64));

		l2=new JLabel("");
		l2.setFont(f1);
		l2.setForeground(Color.RED);
		JPanel cpanel=new JPanel();
		cpanel.add(l2);
		cpanel.setBackground(new Color(0,0,64));
```

```
b1=new JButton("ADD AN OPERATOR");
b1.addActionListener(this);
JPanel apanel=new JPanel();
apanel.add(b1);
apanel.setBackground(new Color(0,0,64));

b2=new JButton("SEARCH AN OPERATOR");
b2.addActionListener(this);
JPanel dpanel=new JPanel();
dpanel.add(b2);
dpanel.setBackground(new Color(0,0,64));

b3=new JButton("DELETE AN OPERATOR");
b3.addActionListener(this);
JPanel epanel=new JPanel();
epanel.add(b3);
epanel.setBackground(new Color(0,0,64));

b4=new JButton("SHOW ALL OPERATORS");
b4.addActionListener(this);
JPanel fpanel=new JPanel();
fpanel.add(b4);
fpanel.setBackground(new Color(0,0,64));

b5=new JButton("SHOW ALL USERS");
b5.addActionListener(this);
JPanel gpanel=new JPanel();
gpanel.add(b5);
gpanel.setBackground(new Color(0,0,64));

b6=new JButton("SEARCH AN USER");
b6.addActionListener(this);
JPanel hpanel=new JPanel();
hpanel.add(b6);
hpanel.setBackground(new Color(0,0,64));

b7=new JButton("DELETE AN USER");
b7.addActionListener(this);
JPanel opanel=new JPanel();
opanel.add(b7);
opanel.setBackground(new Color(0,0,64));

b8=new JButton("LOG OUT");
b8.addActionListener(this);
JPanel qpanel=new JPanel();
qpanel.add(b8);
qpanel.setBackground(new Color(0,0,64));

b9=new JButton("LOAN DETAILS OF USER");
b9.addActionListener(this);
JPanel qopanel=new JPanel();
qopanel.add(b9);
qopanel.setBackground(new Color(0,0,64));

b10=new JButton("LOGIN HISTORY");
```

```
      b10.addActionListener(this);
      JPanel ppanel=new JPanel();
      ppanel.add(b10);
      ppanel.setBackground(new Color(0,0,64));

      b11=new JButton("LOCKER DETAILS OF USER");
      b11.addActionListener(this);
      JPanel qoopanel=new JPanel();
      qoopanel.add(b11);
      qoopanel.setBackground(new Color(0,0,64));

      b12=new JButton("FIXED DEPOSIT DETAILS");
      b12.addActionListener(this);
      JPanel qipanel=new JPanel();
      qipanel.add(b12);
      qipanel.setBackground(new Color(0,0,64));
      b13=new JButton("LOCKER APPROVE");
      b13.addActionListener(this);
      JPanel q2panel=new JPanel();
      q2panel.add(b13);
      q2panel.setBackground(new Color(0,0,64));
      b14=new JButton("LOAN APPROVE");
      b14.addActionListener(this);
      JPanel q3panel=new JPanel();
      q3panel.add(b14);
      q3panel.setBackground(new Color(0,0,64));



      c.add(bpanel);c.add(cpanel);
      c.add(apanel);c.add(dpanel);
      c.add(epanel);c.add(fpanel);
      c.add(gpanel);c.add(hpanel);
      c.add(qoopanel);c.add(qipanel);
      c.add(q2panel);c.add(q3panel);
      c.add(qopanel);c.add(ppanel);
      c.add(opanel);c.add(qpanel);


      setSize(600,525);
      setLocation(200,200);
      setResizable(false);
      setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
      setVisible(true);


}

@Override
public void actionPerformed(ActionEvent e)
{
      AdminLoginHistoryData obj;

      if(e.getSource()==b1)
      {
            new OperatorReg("");
```

```
                setVisible(false);
           }


           if(e.getSource()==b2)
           {
                new OperatorSearch();
                setVisible(false);

           }


           if(e.getSource()==b3)
           {
                new OperatorDelete();
                setVisible(false);

           }


           if(e.getSource()==b4)
           {
                new OperatorDisplay();
                //setVisible(false);
           }


           if(e.getSource()==b5)
           {
                //JOptionPane.showMessageDialog(this, "DISPLAY ALL
CURRENT RECORDS");
                new DiaplayAll() ;
                //setVisible(false);
           }


           if(e.getSource()==b6)
           {
                new UserSearch();
                setVisible(false);

           }


           if(e.getSource()==b7)
           {
                new AdminUserRemove();
                setVisible(false);
           }


           if(e.getSource()==b8)
           {
                 int con=JOptionPane.showConfirmDialog(this, "Are
You Sure to cancel?");
```

```
                if(con==JOptionPane.YES_OPTION)
                {



        /*****************************1*******************************
***/

                        obj = new AdminLoginHistoryData();

                        obj.setALogoutDate(sysDate);
                        obj.setALogoutTime(sysTime);
                        //obj.setALoginDate(" -     ");
                        //obj.setALogoutTime("      -     ");

                        alist.add(obj);


                        new AdminLogoutHistoryAddInfo(obj);





        /*****************************2*******************************
***/
                        new SecondWindow();
                        //new FirstWindow("");
                        setVisible(false);
                }

                //new FirstWindow("");
                //setVisible(false);
        }
        if(e.getSource()==b9)
        {
                new LoanDisplay();
                //setVisible(false);
        }
        if(e.getSource()==b10)
        {
                new LoginHistory();
                setVisible(false);
        }
        if(e.getSource()==b11)
        {
                new LockerDisplay();
                //setVisible(false);
        }
        if(e.getSource()==b12)
        {
                new DepoDisplay();
                //setVisible(false);
        }
        if(e.getSource()==b13)
        {
                new LockerShowApprove();
                new LockerApprove();
                //new LockerDisplay();
                setVisible(false);
           }
           if(e.getSource()==b14)
           {
                new LoanShowApprove();
                new LoanApprove();
                //new LoanDisplay();
                setVisible(false);
           }

      }

}

public class AdminLogin
{
   public static void main(String[] args)
        {

        }

}

import java.awt.BorderLayout;
import java.awt.Container;
import java.io.FileInputStream;
import java.io.ObjectInputStream;
import java.util.ArrayList;

import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JOptionPane;
import javax.swing.JScrollPane;
import javax.swing.JTable;

public class AdminLoginDisplay extends JFrame
{
      public AdminLoginDisplay()
      {
           super("LOGIN HISTORY OF ADMIN");

           String heading[]={"Login Date","Login Time","Logout
Date","Logout Time"};
           String data[][];//=new String[20][12];//2-d array of
string type of 20 rows,9 col
           ArrayList<AdminLoginHistoryData> list;//=new
ArrayList<Create>();


           try
           {
                FileInputStream fin=new
FileInputStream("AdminLoginData.dat");
```

```
                ObjectInputStream oin=new ObjectInputStream(fin);

        list=(ArrayList<AdminLoginHistoryData>)oin.readObject();


                data = new String[list.size()][heading.length+1];


                int r=0;
                for(AdminLoginHistoryData re : list)
                {
                      data[r][0]=re.getALoginDate();
                      data[r][1]=re.getALoginTime();
                      data[r][2]=re.getALogoutDate();
                      data[r][3]=re.getALogoutTime();


                      /*
                      data[r][0]=re.getName();
                      data[r][1]=re.getName1();
                      data[r][2]=re.getAddress();
                      data[r][3]=re.getNationality();
                      data[r][4]=re.getAcctype();
                      data[r][5]=re.getDob();
                      data[r][6]=re.getIdentity();
                      data[r][7]=re.getProfession();
                      data[r][8]=re.getDate();
                      data[r][9]=re.getTime();
                      data[r][10]=re.getAc();
                      data[r][11]=re.getInitialamnt();
                      */

                      r++;
                }

                Container con=getContentPane();
                con.setLayout(new BorderLayout());//refer copy

                JTable datatable=new JTable(data,
heading);//datatable is the obj of the JTABLE,data is the array
                JScrollPane jsp=new JScrollPane(datatable);

                con.add(new JLabel("Admin Login
History"),BorderLayout.NORTH);
                con.add(jsp,BorderLayout.CENTER);//jsp=jscrollpane

                setSize(650, 300);

                setLocation(200, 200);
                setVisible(true);
           }catch(Exception e)
           {
                //e.printStackTrace();
                //System.out.println(e.toString());
                JOptionPane.showMessageDialog(this, "No file found
in data base", "Error", JOptionPane.ERROR_MESSAGE);
```

```
          }
      }

}

import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;
import java.util.ArrayList;

public class AdminLoginHistoryAddInfo
{
      ArrayList<AdminLoginHistoryData> list4;

      public AdminLoginHistoryAddInfo(AdminLoginHistoryData rg1)
      {
            try
            {
               FileInputStream fin=new
FileInputStream("AdminLoginData.dat");
               ObjectInputStream oin=new ObjectInputStream(fin);

list4=(ArrayList<AdminLoginHistoryData>)oin.readObject();
            }catch(Exception e)
             {
                   list4=new ArrayList<AdminLoginHistoryData>();
             }

             list4.add(rg1);

             try
             {
                   FileOutputStream fout=new
FileOutputStream("AdminLoginData.dat");
                   ObjectOutputStream oout=new
ObjectOutputStream(fout);
                   oout.writeObject(list4);
            }catch(Exception e){}
      }

}

import java.io.Serializable;

import javax.swing.JFrame;

public class AdminLoginHistoryData extends JFrame implements
Serializable
{
      private String ALoginDate;
      private String ALoginTime;
      private String ALogoutDate;
      private String ALogoutTime;
      public String getALoginDate() {
            return ALoginDate;
```

```
	}
	public void setALoginDate(String aLoginDate) {
		ALoginDate = aLoginDate;
	}
	public String getALoginTime() {
		return ALoginTime;
	}
	public void setALoginTime(String aLoginTime) {
		ALoginTime = aLoginTime;
	}
	public String getALogoutDate() {
		return ALogoutDate;
	}
	public void setALogoutDate(String aLogoutDate) {
		ALogoutDate = aLogoutDate;
	}
	public String getALogoutTime() {
		return ALogoutTime;
	}
	public void setALogoutTime(String aLogoutTime) {
		ALogoutTime = aLogoutTime;
	}




}

import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;
import java.util.ArrayList;

import javax.swing.JFrame;
import javax.swing.JOptionPane;

public class AdminLogoutHistoryAddInfo extends JFrame
{
	ArrayList<AdminLoginHistoryData> list4;

	public AdminLogoutHistoryAddInfo(AdminLoginHistoryData rg1)
	{
		try
		{
		   FileInputStream fin=new
FileInputStream("AdminLoginData.dat");
		   ObjectInputStream oin=new ObjectInputStream(fin);

list4=(ArrayList<AdminLoginHistoryData>)oin.readObject();
		}
		catch(Exception e)
		{
			JOptionPane.showMessageDialog(this, "No file found
in database", "Error", JOptionPane.ERROR_MESSAGE);
			list4=new ArrayList<AdminLoginHistoryData>();
```

```
          }

          //list4.get(i).setInitialamnt(amt);
          list4.get(list4.size()-
1).setALogoutDate(rg1.getALogoutDate());
          list4.get(list4.size()-
1).setALogoutTime(rg1.getALogoutTime());


          //list4.add(rg1);

          try
          {
               FileOutputStream fout=new
FileOutputStream("AdminLoginData.dat");
               ObjectOutputStream oout=new
ObjectOutputStream(fout);
               oout.writeObject(list4);
          }catch(Exception e){}
     }

}

import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.Color;
import java.util.*;
import java.awt.Container;
import java.awt.Font;
import java.awt.GridLayout;

import javax.swing.*;

public class AdminUserRemove extends JFrame implements
ActionListener
{
     private JLabel l1,l2,l3;
     private JTextField t1;
     private JButton submit,back;
     private boolean flagAccNum = false;

     public AdminUserRemove()
     {
          super("Remove an user");
          Container c=getContentPane();
          c.setLayout(new GridLayout(3,2));

          Font f1=new Font("Times New Roman",Font.BOLD,20);
          l1=new JLabel("USER");
          l1.setFont(f1);
          l1.setForeground(Color.RED);
          JPanel fpanel=new JPanel();
          fpanel.add(l1);
          fpanel.setBackground(new Color(0,0,64));

          l2=new JLabel("Delete");
```

```
           l2.setFont(f1);
           l2.setForeground(Color.RED);
           JPanel apanel=new JPanel();
           apanel.add(l2);
           apanel.setBackground(new Color(0,0,64));

           l3=new JLabel("Give USER A/C no");
           l3.setFont(f1);
           l3.setForeground(Color.RED);
           JPanel bpanel=new JPanel();
           bpanel.add(l3);
           bpanel.setBackground(new Color(0,0,64));

           t1=new JTextField();

           submit=new JButton("Delete");
           submit.addActionListener(this);
           JPanel cpanel=new JPanel();
           cpanel.add(submit);
           cpanel.setBackground(new Color(0,0,64));

           back=new JButton("BACK");
           back.addActionListener(this);
           JPanel dpanel=new JPanel();
           dpanel.add(back);
           dpanel.setBackground(new Color(0,0,64));

           c.add(fpanel);c.add(apanel);
           c.add(bpanel);c.add(t1);
           c.add(cpanel);c.add(dpanel);

           setSize(550,300);
           setLocation(200,200);
           setResizable(false);
           setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
           setVisible(true);

     }

     public void actionPerformed(ActionEvent e)
     {
           if(e.getSource() == submit)
           {

                /*********************validation
check************************/

                String vaccNum = t1.getText();


                /*for account number check
                 * */
                String accNumpattern = "^[0-9]{4}" ;
                Scanner   scan  =  new Scanner( vaccNum ) ;
                String   matched =  scan.findInLine( accNumpattern )
;
```

```
                if ( matched == null )
                {
                      //JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.");
                      JOptionPane.showMessageDialog(this, "INVALID
ACCOUNT NUMBER\nIt should contain only digits with minimum length of
4 digit.", "Error", JOptionPane.ERROR_MESSAGE);
                      t1.setText("");
                }
                else
                {
                      flagAccNum    = true;
                }


                /************************IF VALIDATION
SUCCESSFUL*****************************************/

                if(flagAccNum == true)
                {
                      String sname = t1.getText().trim();
                      new UserRemoveDisplay(sname);
                      //setVisible(false);
                      t1.setText("");
                }
                flagAccNum = false;




           }
           if(e.getSource()==back)
           {
             int con=JOptionPane.showConfirmDialog(this, "Are You
Sure to cancel?");

                if(con==JOptionPane.YES_OPTION)
                {
                   new Admin();
                   setVisible(false);
                }


           }

      }

}
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.Color;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;
import java.util.*;
import java.awt.BorderLayout;
import java.awt.Container;
import java.awt.Font;
import java.awt.GridLayout;
import java.io.*;

import javax.swing.*;
public class ATMcard extends JFrame implements ActionListener

{
     private JLabel l0,l1;
     private JButton bsubmit,bcancel;
     private JTextField t1;
     private JComboBox type;
     ArrayList<Create> list1;
     int r,account,amnt,t,p,d=0,k,l;
     private boolean flagAccNum = false;
     private boolean flagAmountBefore = false;
     private boolean flagDomestic = false;
     private boolean flagSilverInternational = false;
     private boolean flagGoldInternational = false;
     private boolean flagSearchAcc = false;
     public ATMcard()
     {
          super("ATM Card Request");


          Container c=getContentPane();
         c.setLayout(new GridLayout(3,2));

          t1=new JTextField();

          bsubmit=new JButton("SUBMIT");
          bsubmit.addActionListener(this);
          JPanel bpanel=new JPanel();
          bpanel.add(bsubmit);
          bpanel.setBackground(new Color(0,0,64));


          bcancel=new JButton("CANCEL");
          bcancel.addActionListener(this);
          JPanel cpanel=new JPanel();
          cpanel.add(bcancel);
          cpanel.setBackground(new Color(0,0,64));


          Font f1=new Font("comic sans ms",Font.BOLD,14);
          l0=new JLabel("Enter A/C no");
          l0.setFont(f1);
          l0.setForeground(Color.RED);
          JPanel dpanel=new JPanel();
          dpanel.add(l0);
          dpanel.setBackground(new Color(0,0,64));
```

```
           l1=new JLabel("Enter Name");
           l1.setFont(f1);
           l1.setForeground(Color.RED);
           JPanel epanel=new JPanel();
           epanel.add(l1);
           epanel.setBackground(new Color(0,0,64));


           String cvalue[]={"Domestic","Silver International","Gold
International"};
           type=new JComboBox(cvalue);
           JPanel fpanel=new JPanel();
           fpanel.add(type);
           fpanel.setBackground(new Color(0,0,64));


           c.add(dpanel);c.add(t1);
           c.add(epanel);c.add(fpanel);
           c.add(bsubmit);c.add(bcancel);

           setSize(400,200);
           setLocation(100,100);
           setResizable(false);
           setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
           setVisible(true);

      }


      public void actionPerformed(ActionEvent e)
      {
           r=0;
           k=0;
           l=0;
           if(e.getSource()==bsubmit)
           {
                String search=t1.getText();
                r=0;

                /********************validation
check***********************/

                String vAccNum = t1.getText();


                /*for account number check
                 * */
                String accNumpattern = "^[0-9]{4}" ;
                Scanner   scan1  =  new Scanner( vAccNum ) ;
                String   matched1  =  scan1.findInLine(
accNumpattern ) ;
                if ( matched1 == null )
                {
                     //JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.");
```

```
                      JOptionPane.showMessageDialog(this, "INVALID
ACCOUNT NUMBER\nIt should contain only digits with minimum length of
4 digit.", "Error", JOptionPane.ERROR_MESSAGE);
                      t1.setText("");
                }
                else
                {
                      flagAccNum    = true;
                }




      /*************************************************************
******************/

                /************************IF VALIDATION
SUCCESSFUL*****************************************/

                if(flagAccNum == true)
                {

                      try
                      {
                            FileInputStream fin=new
FileInputStream("Regis.dat");
                            ObjectInputStream oin=new
ObjectInputStream(fin);

      list1=(ArrayList<Create>)oin.readObject();
                      }
                      catch(Exception e1) {}


                      for(Create re : list1)
                      {
                            if(re.getAc().equals(search))
                            {
                                  flagSearchAcc = true;


      account=Integer.parseInt(t1.getText());

      amnt=Integer.parseInt(re.getInitialamnt());
                                  String
w=(String)type.getSelectedItem();



                                  if(amnt>500)
                                  {
                                        flagAmountBefore = true;

                                        if(w.equals("Domestic"))
                                        {
                                              p=50;
```

```
                                            t=amnt-p;//t=510-50 =
460
                                            if(t>=500)
                                            {
                                                 new
Actotalcreate(account,p,d,t);
                                                 new
TotalUpdate(account,t);

                                                 flagDomestic =
true;

                                                 r++;
                                            }
                                      }


                                      if(w.equals("Silver
International"))
                                      {
                                            p=100;
                                            t=amnt-p;
                                            if(t>=500)
                                            {
                                                 new
Actotalcreate(account,p,d,t);
                                                 new
TotalUpdate(account,t);


     flagSilverInternational = true;

                                                 k++;
                                            }

                                      }


                                      if(w.equals("Gold
International"))
                                      {
                                            p=500;
                                            t=amnt-p;
                                            if(t>=500)
                                            {
                                                 new
Actotalcreate(account,p,d,t);
                                                 new
TotalUpdate(account,t);


     flagGoldInternational = true;

                                                 l++;
                                            }
                                      }
```

```
                                 }

                                 /*
                                 if((r==1)||(k==1)||(l==1))
                                 {

     JOptionPane.showMessageDialog(this, "ATM has been issued");
                                 }
                                 else
                                 {

     JOptionPane.showMessageDialog(this, "ATM cannot be issued");
                                 }
                                 */

                            }

                      }

                      /*************************MSG
DISPLAY********************/


                      if(flagSearchAcc == false)
                      {
                           JOptionPane.showMessageDialog(this,
"Account number doest not exist.", "Error",
JOptionPane.ERROR_MESSAGE);
                           t1.setText("");
                      }


                      if((flagSearchAcc == true) &&
(flagAmountBefore == false))
                      {
                           JOptionPane.showMessageDialog(this,
"Account balane must be  above INR 500 after issuing ATM Card.", "In
sufficient balance error", JOptionPane.ERROR_MESSAGE);
                           t1.setText("");
                      }

                      /*****************/

                      if((flagDomestic == true))
                      {
                           JOptionPane.showMessageDialog(this, "ATM
Card successfully issued.\nYou have been charged INR 50.");

                           new Passdisp(t1.getText());
                           t1.setText("");
                      }


                      if((flagSilverInternational == true))
                      {
                           JOptionPane.showMessageDialog(this, "ATM
Card successfully issued.\nYou have been charged INR 100.");

                           new Passdisp(t1.getText());
                           t1.setText("");
                      }


                      if((flagGoldInternational == true))
                      {
                           JOptionPane.showMessageDialog(this, "ATM
Card successfully issued.\nYou have been charged INR 500.");

                           new Passdisp(t1.getText());
                           t1.setText("");
                      }


                      if((flagSearchAcc == true) && (flagDomestic ==
false) && (flagSilverInternational == false) &&
(flagGoldInternational == false))
                      {
                           JOptionPane.showMessageDialog(this, "ATM
Card cannot be issued for insufficient balance.", "In sufficient
balance error", JOptionPane.ERROR_MESSAGE);
                           t1.setText("");
                      }



     /**********************************************************
**/


                      flagSearchAcc = false;
                      flagAccNum = false;
                      flagDomestic = false;
                      flagSilverInternational = false;
                      flagGoldInternational = false;

                 }
                 flagSearchAcc = false;






     /*******************PREVIOUS*************************/

                 /*

                 try
                 {
                      FileInputStream fin=new
FileInputStream("Regis.dat");
```

```
                      ObjectInputStream oin=new
ObjectInputStream(fin);
                      list1=(ArrayList<Create>)oin.readObject();
                }
                catch(Exception e1) {}


                for(Create re : list1)
                {
                      if(re.getAc().equals(search))
                      {

                           account=Integer.parseInt(t1.getText());

     amnt=Integer.parseInt(re.getInitialamnt());
                           String w=(String)type.getSelectedItem();



                           if(amnt>500)
                           {

                                 if(w.equals("Domestic"))
                                 {
                                      p=50;
                                      t=amnt-p;
                                      if(t>=500)
                                      {
                                            new
Actotalcreate(account,p,d,t);
                                            new
TotalUpdate(account,t);
                                            r++;
                                      }
                                 }


                                 if(w.equals("Silver
International"))
                                 {
                                      p=100;
                                      t=amnt-p;
                                      if(t>=500)
                                      {
                                            new
Actotalcreate(account,p,d,t);
                                            new
TotalUpdate(account,t);
                                            k++;
                                      }

                                 }


                                 if(w.equals("Gold International"))
                                 {
}
                                        p=500;
                                        t=amnt-p;
                                        if(t>=500)
                                        {
                                             new
Actotalcreate(account,p,d,t);
                                             new
TotalUpdate(account,t);
                                             l++;
                                        }
                                   }

                              }


                              if((r==1)||(k==1)||(l==1))
                              {
                                   JOptionPane.showMessageDialog(this,
"ATM has been issued");
                              }
                              else
                              {
                                   JOptionPane.showMessageDialog(this,
"ATM cannot be issued");
                              }

                         }

                    }


                    */

               }


               if(e.getSource()==bcancel)
               {
                    int con=JOptionPane.showConfirmDialog(this, "Are you
sure to cancel?");

                    if(con==JOptionPane.YES_OPTION)
                    {
                       new Request();
                       setVisible(false);
                    }
               }

          }

     }

import java.awt.Color;
import java.awt.Container;
import java.awt.Font;
import java.awt.GridLayout;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;
import java.util.ArrayList;
import java.util.Scanner;

import javax.swing.JButton;
import javax.swing.JFrame;
import javax.swing.JLabel;
import javax.swing.JOptionPane;
import javax.swing.JPanel;
import javax.swing.JPasswordField;
import javax.swing.JTextField;

public class ChangePassword extends JFrame implements ActionListener
{
	private JLabel
lHeading,lFirstName,lCurrentPassword,lNewPassword;
	private JTextField tFirstName;
	private JPasswordField pCurrentPassword,pNewPassword;
	private JButton bBack,bChange;
	ArrayList<OperatorRegData> list;
	private boolean flagFirstName = false;
	private boolean flagNewPassword = false;
	private boolean flagCurrentPassword = false;
	private boolean flagFirstNameMatch = false;
	private boolean flagCurrentPasswordMatch = false;
	private JLabel lHeading2;

	public ChangePassword()
	{
		super("Change Password");

		Container c=getContentPane();
		c.setLayout(new GridLayout(5,2));

		Font f1=new Font("Chiller",Font.BOLD,22);
		Font f2=new Font("Times New Roman",Font.BOLD,20);


		lHeading=new JLabel("CHANGE PASSWORD");
		lHeading.setFont(f1);
		lHeading.setForeground(Color.RED);
		JPanel apanel=new JPanel();
		apanel.add(lHeading);
		apanel.setBackground(new Color(0,0,64));

		lHeading2=new JLabel("");
		lHeading2.setFont(f1);
		lHeading2.setForeground(Color.RED);
		JPanel abpanel=new JPanel();
		abpanel.add(lHeading2);
		abpanel.setBackground(new Color(0,0,64));
```

```
        lFirstName=new JLabel("Enter First Name");
        lFirstName.setFont(f2);
        lFirstName.setForeground(Color.GRAY);
        JPanel bpanel=new JPanel();
        bpanel.add(lFirstName);
        bpanel.setBackground(new Color(0,0,64));


        lCurrentPassword=new JLabel("Enter Current Password");
        lCurrentPassword.setFont(f2);
        lCurrentPassword.setForeground(Color.GRAY);
        JPanel cpanel=new JPanel();
        cpanel.add(lCurrentPassword);
        cpanel.setBackground(new Color(0,0,64));

        lNewPassword=new JLabel("Enter New Password");
        lNewPassword.setFont(f2);
        lNewPassword.setForeground(Color.GRAY);
        JPanel dpanel=new JPanel();
        dpanel.add(lNewPassword);
        dpanel.setBackground(new Color(0,0,64));


        tFirstName=new JTextField();
        pCurrentPassword=new JPasswordField();
        pNewPassword=new JPasswordField();


        bChange=new JButton("Change");
        bChange.addActionListener(this);
        JPanel epanel=new JPanel();
        epanel.add(bChange);
        epanel.setBackground(new Color(0,0,64));

        bBack=new JButton("Back");
        bBack.addActionListener(this);
        JPanel fpanel=new JPanel();
        fpanel.add(bBack);
        fpanel.setBackground(new Color(0,0,64));


        c.add(apanel);c.add(abpanel);
        c.add(bpanel);        c.add(tFirstName);
        c.add(cpanel);c.add(pCurrentPassword);
        c.add(dpanel);  c.add(pNewPassword);
        c.add(epanel);              c.add(fpanel);


        setSize(500,500);
        setLocation(100,100);
        setResizable(false);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setVisible(true);

    }
```

```
      @Override
      public void actionPerformed(ActionEvent e)
      {
            if(e.getSource() == bChange)
            {
                  /********************validation
check**********************/

                  String vFirstName = tFirstName.getText();
                  String vCurrentPassword =
pCurrentPassword.getText();
                  String vNewPassword = pNewPassword.getText();



                  /*for first name check
                   * */
                  String firstNamepattern = "^[a-zA-Z]" ;
                  Scanner   scan1  =  new Scanner( vFirstName ) ;
                  String   matched1  =  scan1.findInLine(
firstNamepattern ) ;
                  if ( matched1 == null )
                  {
                        //JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.");
                        JOptionPane.showMessageDialog(this, "INVALID
FIRST NAME\nIt should contain only alphabets.", "Error",
JOptionPane.ERROR_MESSAGE);
                        tFirstName.setText("");
                  }
                  else
                  {
                        flagFirstName   = true;
                  }


                  /*for current password check
                   * */
                  String currentPasswordpattern = "^[0-9]{4}" ;
                  Scanner   scan2  =  new Scanner( vCurrentPassword )
;
                  String   matched2  =  scan2.findInLine(
currentPasswordpattern ) ;
                  if ( matched2 == null )
                  {
                        //JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.");
                        JOptionPane.showMessageDialog(this, "INVALID
ACCOUNT NUMBER\nIt should contain only digits with minimum length of
4 digit.", "Error", JOptionPane.ERROR_MESSAGE);
                        pCurrentPassword.setText("");
```

```
                }
                else
                {
                      flagCurrentPassword  = true;
                }



                /*for new password check
                 * */
                String newPasswordpattern = "^[0-9]{4}" ;
                Scanner   scan3  =  new Scanner( vNewPassword) ;
                String   matched3  =  scan3.findInLine(
currentPasswordpattern ) ;
                if ( matched3 == null )
                {
                      //JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.");
                      JOptionPane.showMessageDialog(this, "INVALID
NEW PASSWORD\nIt should contain only digits with minimum length of 4
digit.", "Error", JOptionPane.ERROR_MESSAGE);
                      pNewPassword.setText("");
                }
                else
                {
                      flagNewPassword   = true;
                }



      /*******************************************************************
*******************/




                /***********************IF VALIDATION
SUCCESSFUL****************************************/

                if(flagFirstName == true)
                {
                      if(flagCurrentPassword == true)
                      {
                           if(flagNewPassword == true)
                           {
                                 try
                                 {
                                    FileInputStream fin=new
FileInputStream("Reg.dat");
                                    ObjectInputStream oin=new
ObjectInputStream(fin);

list=(ArrayList<OperatorRegData>)oin.readObject();
                                 }
                                 catch(Exception e1)
                                 {

      JOptionPane.showMessageDialog(this, "No file found in 
database", "Error", JOptionPane.ERROR_MESSAGE);
                                       list=new 
ArrayList<OperatorRegData>();
                                 }


                                 for(int 
i=0;i<list.size();i++)//for(OperatorRegData element : list)
                                 {

      if(list.get(i).getName().equals(tFirstName.getText()))
                                       {
                                             flagFirstNameMatch = 
true;

      if(list.get(i).getPassword().equals(pCurrentPassword.getText()
))
                                             {

      flagCurrentPasswordMatch = true;


      list.get(i).setPassword(pNewPassword.getText());



                                             }
                                       }
                                 }


                                 try
                                 {
                                    FileOutputStream fout=new 
FileOutputStream("Reg.dat");
                                    ObjectOutputStream oout=new 
ObjectOutputStream(fout);
                                    oout.writeObject(list);
                                 }catch(Exception e1){}



                                 if((flagFirstNameMatch == true) && 
(flagCurrentPasswordMatch == true))
                                 {

      JOptionPane.showMessageDialog(this, "Password has been 
successfully changed");

                                       tFirstName.setText("");
                                       pCurrentPassword.setText("");
                                       pNewPassword.setText("");
                                 }
                                 if((flagFirstNameMatch == true) &&
(flagCurrentPasswordMatch == false))
                                 {

     JOptionPane.showMessageDialog(this, "Password incorrect",
"Error", JOptionPane.ERROR_MESSAGE);
                                      pCurrentPassword.setText("");
                                 }

                                 if((flagFirstNameMatch == false) &&
(flagCurrentPasswordMatch == false))
                                 {

     JOptionPane.showMessageDialog(this, "Operator does not
exist.", "Error", JOptionPane.ERROR_MESSAGE);
                                      tFirstName.setText("");
                                      pCurrentPassword.setText("");
                                      pNewPassword.setText("");
                                 }



                            }
                      }
                 }
                 flagFirstName = false;
                 flagCurrentPassword = false;
                 flagNewPassword = false;
                 flagFirstNameMatch = false;
                 flagCurrentPasswordMatch = false;


           }



           if(e.getSource()==bBack)
           {
                 int rply = JOptionPane.showConfirmDialog(this, "Are
you sure to quit?");
                 if(rply == JOptionPane.YES_OPTION)
                 {

                      new Userwindow("");
                      setVisible(false);
                 }
           }

     }


}

import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.Color;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;
import java.util.*;
import java.awt.BorderLayout;
import java.awt.Container;
import java.awt.Font;
import java.awt.GridLayout;
import java.io.*;
import javax.swing.*;

public class ChequeBook extends JFrame implements ActionListener
{

      private JComboBox pages;
      private JTextField t1;
      private JLabel l0,l1;
      private JButton bsubmit,bcancel;
      ArrayList<Create> list1;

      private int amnt,account,d,t,r,w1,tot1,tot2,v,c;
      private boolean flagAccNum = false;


      public ChequeBook()
      {
            super("Cheque Book Request");

            Container c=getContentPane();
            t1=new JTextField();
            c.setLayout(new GridLayout(3,2));

            bsubmit=new JButton("Submit");
            bsubmit.addActionListener(this);
            JPanel fpanel=new JPanel();
            fpanel.add(bsubmit);
            fpanel.setBackground(new Color(0,0,64));


            bcancel=new JButton("Cancel");
            bcancel.addActionListener(this);
            JPanel gpanel=new JPanel();
            gpanel.add(bcancel);
            gpanel.setBackground(new Color(0,0,64));


            Font f1=new Font("Times New Roman",Font.BOLD,20);
            l0=new JLabel("Enter A/C no");
            l0.setFont(f1);
            l0.setForeground(Color.RED);
            JPanel apanel=new JPanel();
            apanel.add(l0);
            apanel.setBackground(new Color(0,0,64));
```

```
           l1=new JLabel("Enter Number of Pages");
           l1.setFont(f1);
           l1.setForeground(Color.RED);
           JPanel bpanel=new JPanel();
           bpanel.add(l1);
           bpanel.setBackground(new Color(0,0,64));


           String cvalue[]={"25","50"};
           pages=new JComboBox(cvalue);
           JPanel cpanel=new JPanel();
           cpanel.add(pages);
           cpanel.setBackground(new Color(0,0,64));


           c.add(apanel);c.add(t1);
           c.add(bpanel);c.add(cpanel);
           c.add(fpanel);c.add(gpanel);

           setSize(400,200);
           setLocation(100,100);
           setResizable(false);
           setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
           setVisible(true);

      }
      public void actionPerformed(ActionEvent e)
      {
           d=0;
           r=0;
           c=0;
           String search=t1.getText();
           //r=0;
           if(e.getSource()==bsubmit)
           {
                 /*********************validation
check************************/

                 String vAccNum = t1.getText();


                 /*for account number check
                  * */
                 String accNumpattern = "^[0-9]{4}" ;
                 Scanner   scan1  =  new Scanner( vAccNum ) ;
                 String   matched1  =  scan1.findInLine(
accNumpattern ) ;
                 if ( matched1 == null )
                 {
                      //JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.");
```

```
                    JOptionPane.showMessageDialog(this, "INVALID
ACCOUNT NUMBER\nIt should contain only digits with minimum length of
4 digit.", "Error", JOptionPane.ERROR_MESSAGE);
                    t1.setText("");
                }
                else
                {
                    flagAccNum    = true;
                }



      /***********************************************************
*******************/


                /***********************IF VALIDATION
SUCCESSFUL*************************************/

                if(flagAccNum == true)
                {
                    try
                    {
                        FileInputStream fin=new
FileInputStream("Regis.dat");
                        ObjectInputStream oin=new
ObjectInputStream(fin);

      list1=(ArrayList<Create>)oin.readObject();
                    }
                    catch(Exception e1){}


                    for(Create re : list1)
                    {
                        if(re.getAc().equals(search))
                        {

      account=Integer.parseInt(t1.getText());

      amnt=Integer.parseInt(re.getInitialamnt());
                            String
w=(String)pages.getSelectedItem();
                            w1=Integer.parseInt(w);
                            if(amnt>500)
                            {
                                if(w1==25)
                                {
                                    v=50;
                                    tot1=amnt-v;
                                    if(tot1>=500)
                                    {
                                        new
Actotalcreate(account,v,d,tot1);
                                        new
TotalUpdate(account,tot1);
```

```
                                    r++;
                                }

                            }


                            if(w1==50)
                            {
                                v=100;
                                tot2=amnt-v;
                                if(tot2>=500)
                                {
                                    new
Actotalcreate(account,v,d,tot2);
                                    new
TotalUpdate(account,tot2);
                                    c++;
                                }
                            }

                        }

                    }
                }


                if((r==1)||(c==1))
                {
                    JOptionPane.showMessageDialog(this,
"Check book has been issued");
                    new Passdisp(t1.getText());
                    t1.setText("");
                }
                else
                {
                    JOptionPane.showMessageDialog(this,
"Check cannot be issued");
                    t1.setText("");
                }
            }
            flagAccNum = false;



    /*************************PREVIOUS*************************
***/

            /*

            try
            {
                FileInputStream fin=new
FileInputStream("Regis.dat");
                ObjectInputStream oin=new
ObjectInputStream(fin);
                list1=(ArrayList<Create>)oin.readObject();
                }
                catch(Exception e1){}


                for(Create re : list1)
                {
                      if(re.getAc().equals(search))
                      {
                           account=Integer.parseInt(t1.getText());

     amnt=Integer.parseInt(re.getInitialamnt());
                           String w=(String)pages.getSelectedItem();
                           w1=Integer.parseInt(w);
                           if(amnt>500)
                           {
                                 if(w1==25)
                                 {
                                      v=50;
                                      tot1=amnt-v;
                                      if(tot1>=500)
                                      {
                                            new
Actotalcreate(account,v,d,tot1);
                                            new
TotalUpdate(account,tot1);
                                            r++;
                                      }

                                 }


                                 if(w1==50)
                                 {
                                      v=100;
                                      tot2=amnt-v;
                                      if(tot2>=500)
                                      {
                                            new
Actotalcreate(account,v,d,tot2);
                                            new
TotalUpdate(account,tot2);
                                            c++;
                                      }
                                 }

                           }

                      }
                }


                if((r==1)||(c==1))
                {
                      JOptionPane.showMessageDialog(this, "Check
book has been issued");
                }
                else
                {
                     JOptionPane.showMessageDialog(this, "Check
cannot be issued");
                }

                */

           }



           if(e.getSource()==bcancel)
           {
             int con=JOptionPane.showConfirmDialog(this, "Are you
sure to cancel?");

                if(con==JOptionPane.YES_OPTION)
                {
                     new Request();
                   //new UserMain1();
                   setVisible(false);
                }


           }

      }
}

import java.awt.Container;
import java.awt.GridLayout;
import java.awt.Color;
import java.util.*;
import java.awt.Container;
import java.awt.Font;
import java.awt.GridLayout;
import java.awt.event.ActionListener; //to sense mouse click
import java.awt.event.ActionEvent;
import java.io.Serializable;
import java.util.Calendar;

import javax.swing.*;

public class Create implements Serializable
{
      private String ac;
      public String getAc() {
           return ac;
      }
      public void setAc(String ac) {
           this.ac = ac;
      }
      private String name;
      private String name1;
      private String address;
      private String email;
      private String nationality;
      private String acctype;
      private String city;
      private String gender;
      private String dob;
      private String date;
      private String time;
      private String Identity;
      private String profession;
      private String initialamnt;







      public String getInitialamnt() {
           return initialamnt;
      }
      public void setInitialamnt(String initialamnt) {
           this.initialamnt = initialamnt;
      }
      public String getNationality() {
           return nationality;
      }
      public void setNationality(String nationality) {
           this.nationality = nationality;
      }
      public String getAcctype() {
           return acctype;
      }
      public void setAcctype(String acctype) {
           this.acctype = acctype;
      }
      public String getIdentity() {
           return Identity;
      }
      public void setIdentity(String identity) {
           Identity = identity;
      }
      public String getProfession() {
           return profession;
      }
      public void setProfession(String profession) {
           this.profession = profession;
      }

      public String getName1()
      {
           return name1;
      }
      public void setName1(String name1)
      {
           this.name1 = name1;
```

```
    }
    public String getEmail()
    {
        return email;
    }
    public void setEmail(String email)
    {
        this.email = email;
    }
    public String getName() {
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }

    public String getAddress() {
        return address;
    }
    public void setAddress(String address) {
        this.address = address;
    }
    public String getCity() {
        return city;
    }
    public void setCity(String city) {
        this.city = city;
    }
    public String getGender() {
        return gender;
    }
    public void setGender(String gender) {
        this.gender = gender;
    }
    public String getDob() {
        return dob;
    }
    public void setDob(String dob) {
        this.dob = dob;
    }

    public String getDate() {
        return date;
    }
    public void setDate(String date) {
        this.date = date;
    }
    public String getTime() {
        return time;
    }
    public void setTime(String time) {
        this.time = time;
    }


}
```

```
import java.awt.Color;
import java.awt.Container;
import java.awt.Font;
import java.awt.GridLayout;
import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.io.FileInputStream;
import java.io.ObjectInputStream;
import java.util.ArrayList;
import java.util.Calendar;
import java.util.Scanner;

import javax.swing.*;


public class CreateFrame extends JFrame implements ActionListener
{
	private JLabel 
l0,l01,l1,l2,l3,l4,l40,l5,l6,l7,l8,l9,l10,l11,l12,l13,l14,l15,l16,l1
7,l18,l19,l20,l21;
	private JTextField 
t1,tid1,tid2,tid3,tid4,tid5,tid6,tid7,tid8,tid10;
	private JComboBox 
city,day,month,year,annualincome,identity,profession,acctype,acno;
	private JRadioButton 
rmale,rfemale,rsav,rothers,married,unmarried;
	private JButton bsubmit,back;
	private String sysdate,systime;
	//private ArrayList<Create> alist = new ArrayList<Create>();
	private boolean flagName = false;
	private boolean flagName1 = false;
	private boolean flagAddress = false;
	private boolean flagNationality = false;
	private ArrayList<Create> alist;
	private boolean flagAccountNumber = false;
	private int count = 0;
	private String ini;
	private boolean flagInitialAmount = false;
	private boolean flagLandline = false;
	private boolean flagMobile = false;
	private boolean flagAge = false;
	private boolean flagProof = false;

	CreateFrame()
	{
		super("User registration form");

		Container c=getContentPane();
		c.setLayout(new GridLayout(21,2));

		tid1=new JTextField();
		tid2=new JTextField();
		tid3=new JTextField();
```

```
           tid4=new JTextField();
           tid5=new JTextField();
           tid6=new JTextField();
           tid7=new JTextField();
           tid8=new JTextField();
           //tid9=new JTextField();
           tid10=new JTextField();

           String cvalue[]={"<50000","50000-100000","100000-
600000",">600000"};
           annualincome=new JComboBox(cvalue);

           String d1value[]={"Government
Service","Business","Private Sector","Student","Others"};
           profession=new JComboBox(d1value);

           String evalue[]={"Pan Card","Voter Card","Ration
Card","Driving License"};
           identity=new JComboBox(evalue);



           rsav=new JRadioButton("Savings");

           rothers=new JRadioButton("Savings");

           ButtonGroup r1group=new ButtonGroup();
           r1group.add(rsav);
           JPanel kpanel=new JPanel();
           kpanel.add(rsav);

           rmale=new JRadioButton("Male");
           rfemale=new JRadioButton("Female");
           ButtonGroup rgroup=new ButtonGroup();
           rgroup.add(rmale);
           rgroup.add(rfemale);
           JPanel gpanel=new JPanel();

           married=new JRadioButton("Married");
           unmarried=new JRadioButton("Single");
           ButtonGroup r2group=new ButtonGroup();
           r2group.add(married);
           r2group.add(unmarried);
           JPanel gopanel=new JPanel();
           gopanel.add(married);
           gopanel.add(unmarried);

           gpanel.add(rmale);
           gpanel.add(rfemale);

           t1=new JTextField();

           String dvalue[]=new String[31];
           for(int i=0;i<=30;i++)
           {
                dvalue[i]=String.valueOf(i+1);
```

```
            }
            day=new JComboBox(dvalue);

            String mvalue[]=new String[12];
            for(int i=0;i<=11;i++)
            {
                  mvalue[i]=String.valueOf(i+1);
            }
            month=new JComboBox(mvalue);

            String yvalue[]=new String[25];
            int cnt=0;
            for(int i=1989;i<=2013;i++)
            {
                  yvalue[cnt]=String.valueOf(i);
                  cnt++;
            }
            year=new JComboBox(yvalue);
            JPanel cpanel=new JPanel();
            cpanel.add(day);
            cpanel.add(month);
            cpanel.add(year);
            bsubmit=new JButton("Register");
            bsubmit.addActionListener(this);

            Font f1=new Font("Times New Roman",Font.BOLD,14);
            l01=new JLabel("
ACCOUNT OPENING");
            l01.setFont(f1);
            l01.setForeground(Color.RED);
            JPanel fpanel=new JPanel();
            fpanel.add(l01);
            fpanel.setBackground(new Color(0,0,64));

            l0=new JLabel("FORM
");
            l0.setFont(f1);
            l0.setForeground(Color.RED);
            JPanel apanel=new JPanel();
            apanel.add(l0);
            apanel.setBackground(new Color(0,0,64));


            //Font f1=new Font("Times New Roman",Font.BOLD,14);
            l1=new JLabel("Enter First Name");
            l1.setFont(f1);
            l1.setForeground(Color.RED);
            JPanel bpanel=new JPanel();
            bpanel.add(l1);
            bpanel.setBackground(new Color(0,0,64));

            l2=new JLabel("Enter Last Name");
            l2.setFont(f1);
            l2.setForeground(Color.RED);
            JPanel copanel=new JPanel();
            copanel.add(l2);
            copanel.setBackground(new Color(0,0,64));

            l3=new JLabel("Enter Address");
            l3.setFont(f1);
            l3.setForeground(Color.RED);
            JPanel dpanel=new JPanel();
            dpanel.add(l3);
            dpanel.setBackground(new Color(0,0,64));

            l4=new JLabel("Enter Phone Number(Landline)");
            l4.setFont(f1);
            l4.setForeground(Color.RED);
            JPanel epanel=new JPanel();
            epanel.add(l4);
            epanel.setBackground(new Color(0,0,64));

            l40=new JLabel("Enter Phone Number(Mobile)");
            l40.setFont(f1);
            l40.setForeground(Color.RED);
            JPanel vpanel=new JPanel();
            vpanel.add(l40);
            vpanel.setBackground(new Color(0,0,64));


            l5=new JLabel("Select Sex");
            l5.setFont(f1);
            l5.setForeground(Color.RED);
            JPanel qpanel=new JPanel();
            qpanel.add(l5);
            qpanel.setBackground(new Color(0,0,64));


            l6=new JLabel("Natinality");
            l6.setFont(f1);
            l6.setForeground(Color.RED);
            JPanel wpanel=new JPanel();
            wpanel.add(l6);
            wpanel.setBackground(new Color(0,0,64));


            l7=new JLabel("Select Age");
            l7.setFont(f1);
            l7.setForeground(Color.RED);
            JPanel opanel=new JPanel();
            opanel.add(l7);
            opanel.setBackground(new Color(0,0,64));


            l8=new JLabel("Select A/C Type");
            l8.setFont(f1);
            l8.setForeground(Color.RED);
            JPanel zpanel=new JPanel();
            zpanel.add(l8);
            zpanel.setBackground(new Color(0,0,64));
```

```
   l9=new JLabel("Date of Birth");
   l9.setFont(f1);
   l9.setForeground(Color.RED);
   JPanel xpanel=new JPanel();
   xpanel.add(l9);
   xpanel.setBackground(new Color(0,0,64));

   l10=new JLabel("Enter Annual Income");
   l10.setFont(f1);
   l10.setForeground(Color.RED);
   JPanel vxpanel=new JPanel();
   vxpanel.add(l10);
   vxpanel.setBackground(new Color(0,0,64));

   l11=new JLabel("Enter Profession");
   l11.setFont(f1);
   l11.setForeground(Color.RED);
   JPanel vppanel=new JPanel();
   vppanel.add(l11);
   vppanel.setBackground(new Color(0,0,64));

l12=new JLabel("Enter Marital Status");
l12.setFont(f1);
   l12.setForeground(Color.RED);
   JPanel npanel=new JPanel();
   npanel.add(l12);
   npanel.setBackground(new Color(0,0,64));

   l13=new JLabel("Enter Identity Proof");
l13.setFont(f1);
   l13.setForeground(Color.RED);
   JPanel mpanel=new JPanel();
   mpanel.add(l13);
   mpanel.setBackground(new Color(0,0,64));

   l14=new JLabel("Enter Identity proof no:");
l14.setFont(f1);
   l14.setForeground(Color.RED);
   JPanel jpanel=new JPanel();
   jpanel.add(l14);
   jpanel.setBackground(new Color(0,0,64));


   /***********************extra*********************/

   /*l15=new JLabel("Enter Initial Amount");
l15.setFont(f1);
   l15.setForeground(Color.RED);
   JPanel bcpanel=new JPanel();
   bcpanel.add(l15);
   bcpanel.setBackground(new Color(0,0,64));*/


   /**********************************************/
```

```
Calendar cal = Calendar.getInstance();

   String cday = ""+cal.get(Calendar.DATE);
   int x =cal.get(Calendar.MONTH);
   String cmonth = ""+(x+1);
   String cyear =""+cal.get(Calendar.YEAR);
   sysdate = cday+"/"+cmonth+"/"+cyear;
   l16=new JLabel(sysdate);

  String chr = ""+cal.get(Calendar.HOUR_OF_DAY);
   String cmin = ""+cal.get(Calendar.MINUTE);
   String csec =""+cal.get(Calendar.SECOND);
   systime = chr+":"+cmin+":"+csec;

   l17=new JLabel(systime);

   l18=new JLabel("Current Time");
   l18.setFont(f1);
   l18.setForeground(Color.RED);
   JPanel vopanel=new JPanel();
   vopanel.add(l18);
   vopanel.setBackground(new Color(0,0,64));

   l19=new JLabel("Current Date");
   l19.setFont(f1);
   l19.setForeground(Color.RED);
   JPanel vipanel=new JPanel();
   vipanel.add(l19);
   vipanel.setBackground(new Color(0,0,64));

   l20=new JLabel("Give a 4-digit Account number");
   l20.setFont(f1);
   l20.setForeground(Color.RED);
   JPanel poppanel=new JPanel();
   poppanel.add(l20);
   poppanel.setBackground(new Color(0,0,64));



   l20=new JLabel("Initial Amount");
   l20.setFont(f1);
   l20.setForeground(Color.RED);
   JPanel kop=new JPanel();
   kop.add(l20);
   kop.setBackground(new Color(0,0,64));



   bsubmit=new JButton("SUBMIT");
   bsubmit.addActionListener(this);
   JPanel dopanel=new JPanel();
   dopanel.add(bsubmit);
   dopanel.setBackground(new Color(0,0,64));

   back=new JButton("BACK");
   back.addActionListener(this);
```

```
      JPanel dipanel=new JPanel();
      dipanel.add(back);
      dipanel.setBackground(new Color(0,0,64));


   c.add(fpanel);c.add(apanel);
      c.add(bpanel);c.add(tid1);
      c.add(copanel);c.add(tid2);
      c.add(dpanel);c.add(tid3);
      c.add(epanel);c.add(tid4);
      c.add(vpanel);c.add(tid5);
      c.add(qpanel);c.add(gpanel);
      c.add(wpanel);c.add(tid6);
      c.add(opanel);c.add(tid7);
      c.add(zpanel);c.add(kpanel);
      c.add(xpanel);c.add(cpanel);
      c.add(vxpanel);c.add(annualincome);
      c.add(vppanel);c.add(profession);
      c.add(npanel);c.add(gopanel);
      c.add(mpanel);c.add(identity);
      c.add(jpanel);c.add(tid8);
      //c.add(bcpanel);c.add(tid9);
      c.add(poppanel);c.add(t1);
      c.add(kop);c.add(tid10);
      c.add(vipanel);c.add(l16);
      c.add(vopanel);c.add(l17);
      c.add(dopanel);c.add(dipanel);


      setSize(600,625);
      setLocation(200,200);
      setResizable(false);
      setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
      setVisible(true);

}


public void actionPerformed(ActionEvent e)
{
       String name;//first name
       String name1;//last name
       String address;
       String nationality;
       String acc;//account type
       String gn;
       String dob;
       String date;
      String time;
       String Iden;
       String prof;
       String inti;
       String ac1;
       String land;
       String mob;
       String age;
```

```
            String proof;




            Create reg;
           if(e.getSource()==bsubmit)
           {

     /****************VALIDATION**********************************
********/
                /******validation check********/

                name=tid1.getText();
                name1=tid2.getText();
                address=tid3.getText();
                nationality=tid6.getText();
                ac1=t1.getText();
                ini = tid10.getText();
                land = tid4.getText();
                mob = tid5.getText();
                age = tid7.getText();
                proof = tid8.getText();



                /* user first name check
                 * */
                String namepattern = "^[A-Za-z]";
                Scanner   scan  =  new Scanner( name ) ;
                String   matched  =  scan.findInLine( namepattern )
;
                if ( matched == null )
                {
                 //JOptionPane.showMessageDialog(this, "INVALID
FIRST NAME\nIt should contain only alphabet.");
                 JOptionPane.showMessageDialog(this, "INVALID
     FIRST NAME\nIt should contain only alphabet.", "Error",
JOptionPane.ERROR_MESSAGE);
                    tid1.setText("");
                }
                else
                {
                 flagName = true;
                }


                /* user last name check
                 * */
                String namepattern1 = "^[A-Za-z]";
                Scanner   scan1  =  new Scanner( name1 ) ;
                String   matched1  =  scan1.findInLine( namepattern1
) ;
                if ( matched1 == null )
                {
                  //JOptionPane.showMessageDialog(this, "INVALID 
FIRST NAME\nIt should contain only alphabet.");
                  JOptionPane.showMessageDialog(this, "INVALID 
    LAST NAME\nIt should contain only alphabet.", "Error", 
JOptionPane.ERROR_MESSAGE);
                    tid2.setText("");
                }
                else
                {
                  flagName1 = true;
                }


                /* user address check
                 * */
                String namepattern2 = "^[A-Za-z0-9]{1}";
                Scanner   scan2  =  new Scanner( address ) ;
                String   matched2  =  scan2.findInLine( namepattern2 
) ;
                if ( matched2 == null )
                {
                  //JOptionPane.showMessageDialog(this, "INVALID 
FIRST NAME\nIt should contain only alphabet.");
                  JOptionPane.showMessageDialog(this, "INVALID 
    ADDRESS\nIT SHOLUD NOT BLANK.", "Error", 
JOptionPane.ERROR_MESSAGE);
                    tid3.setText("");
                }
                else
                {
                  flagAddress = true;
                }


                /*for landline numbercheck
                 * */
                String landlinepattern = "^[0-9]{8}" ;
                Scanner   scan6  =  new Scanner( land ) ;
                String   matched6  =  scan6.findInLine( 
landlinepattern ) ;
                if ( matched6 == null )
                {
                  //JOptionPane.showMessageDialog(this, "INVALID 
PASSWORD\nIt should contain only digits with minimum password length 
of 4 digit.");
                  JOptionPane.showMessageDialog(this, "INVALID 
LANDLINE NUMBER\nIt should contain only digits with minimum length 
of 8 digit.", "Error", JOptionPane.ERROR_MESSAGE);
                    tid4.setText("");
                }
                else
                {
                  flagLandline    = true;
                }
```

```
                /*for mobile numbercheck
                 * */
                String mobpattern = "^[0-9]{10}" ;
                Scanner   scan7  =  new Scanner( mob ) ;
                String   matched7  =  scan7.findInLine( mobpattern )
;
                if ( matched7 == null )
                {
                 //JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.");
                 JOptionPane.showMessageDialog(this, "INVALID MOBILE
NUMBER\nIt should contain only digits with minimum length of 10
digit.", "Error", JOptionPane.ERROR_MESSAGE);
                    tid5.setText("");
                }
                else
                {
                 flagMobile    = true;
                }




                /* user nationality check
                 * */
                String namepattern3 = "^[A-Za-z]";
                Scanner   scan3  =  new Scanner( nationality ) ;
                String   matched3  =  scan3.findInLine( namepattern3
) ;
                if ( matched3 == null )
                {
                 //JOptionPane.showMessageDialog(this, "INVALID
FIRST NAME\nIt should contain only alphabet.");
                 JOptionPane.showMessageDialog(this, "INVALID
      NATIONALITY\nIt should contain only alphabet.", "Error",
JOptionPane.ERROR_MESSAGE);
                    tid6.setText("");
                }
                else
                {
                 flagNationality = true;
                }


                /*for agecheck
                 * */
                String agepattern = "^[0-9]{2}" ;
                Scanner   scan8  =  new Scanner( age ) ;
                String   matched8  =  scan8.findInLine( agepattern )
;
                if ( matched8 == null )
                {
                 //JOptionPane.showMessageDialog(this, "INVALID 
PASSWORD\nIt should contain only digits with minimum password length 
of 4 digit.");
                 JOptionPane.showMessageDialog(this, "INVALID 
AGE\nAge must be minimum 10 years & it should contain only digit.", 
"Error", JOptionPane.ERROR_MESSAGE);
                    tid7.setText("");
                }
                else
                {
                 flagAge     = true;
                }


                /* user proof check
                 * */
                String proofpattern2 = "^[A-Za-z0-9]{1}";
                Scanner   scan9  =  new Scanner( proof ) ;
                String   matched9  =  scan9.findInLine( 
proofpattern2 ) ;
                if ( matched9 == null )
                {
                 //JOptionPane.showMessageDialog(this, "INVALID 
FIRST NAME\nIt should contain only alphabet.");
                 JOptionPane.showMessageDialog(this, "INVALID 
IDENTITY PROOF NUMBER\nIT SHOLUD NOT BLANK.", "Error", 
JOptionPane.ERROR_MESSAGE);
                    tid8.setText("");
                }
                else
                {
                 flagProof  = true;
                }


                /*for account number check
                 * */
                String accpattern = "^[0-9]{4}" ;
                Scanner   scan4  =  new Scanner( ac1 ) ;
                String   matched4  =  scan4.findInLine( accpattern ) 
;
                if ( matched4 == null )
                {
                 //JOptionPane.showMessageDialog(this, "INVALID 
PASSWORD\nIt should contain only digits with minimum password length 
of 4 digit.");
                 JOptionPane.showMessageDialog(this, "INVALID 
ACCOUNT NUMBER\nIt should contain only digits with minimum length of 
4 digit.", "Error", JOptionPane.ERROR_MESSAGE);
                    t1.setText("");
                }
                else
                {
                 flagAccountNumber  = true;
                }
```

```
                /*for initial amount check
                 * */
                String inipattern = "^[0-9]{3}" ;
                Scanner   scan5  =  new Scanner( ini ) ;
                String   matched5  =  scan5.findInLine( inipattern )
;
                if ( matched5 == null )
                {
                 //JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.");
                 JOptionPane.showMessageDialog(this, "INVALID
INITIAL AMOUNT\nIt should contain only digits with minimum length of
3 digit.", "Error", JOptionPane.ERROR_MESSAGE);
                     tid10.setText("");
                }
                else
                {
                 flagInitialAmount   = true;
                }






                if(flagName == true)
                {
                 if(flagName1 == true)
                 {
                       if(flagAddress == true)
                       {
                             if(flagNationality == true)
                             {
                                   if(flagAccountNumber == true)
                                   {
                                         if(flagInitialAmount == true)
                                         {
                                               if(flagLandline ==
true)
                                               {
                                                     if(flagMobile ==
true)
                                                     {
                                                           if(flagAge
== true)
                                                           {

if(flagProof == true)
                                                                 {

/*********read from file and store in alist*****************/
```

```
                                                            try
                                                            {
FileInputStream fin=new FileInputStream("Regis.dat");
ObjectInputStream oin=new ObjectInputStream(fin);
alist=(ArrayList<Create>)oin.readObject();
                                                            }
catch(Exception ex)
                                                            {
alist=new ArrayList<Create>();
                                                            }

/*************************************************************/


/********operation*******************************************/
                                                            //it
checks account numebr is already present or not
for(Create element : alist)
                                                            {
if(element.getAc().equals(t1.getText()))
                                                                 {
      count++;

                                                                 }
                                                            }


if(count > 0)//if present
                                                            {
JOptionPane.showMessageDialog(this, "Account numner is already
registered.\nTry another one", "Error", JOptionPane.ERROR_MESSAGE);
t1.setText("");
                                                            }

else//if not present
                                                            {
     /************variable setting**************************/
```

```
      /*****************check the minimum initial
amount******************/

      if(Integer.parseInt(ini) >= 500)

      {

            inti=tid10.getText();

            name=tid1.getText();

            name1=tid2.getText();

            address=tid3.getText();

            nationality=tid6.getText();

            ac1=t1.getText();

            Iden=(String)identity.getSelectedItem();

            prof=(String)profession.getSelectedItem();

            acc="";

            if(rsav.isSelected())

            {

                  acc="Savings";

            }

            else if(rothers.isSelected())

            {

                  acc="Others";

            }

            gn="";

            if(rmale.isSelected())

            {

                  gn="Male";

            }

            else if(rfemale.isSelected())
```

```
           {

                 gn="Female";

           }


           String d=(String)day.getSelectedItem();

           String m=(String)month.getSelectedItem();

           String y=(String)year.getSelectedItem();

           dob=d + "-" + m + "-" + y;




      /*************************************************************
************/



           /*************************packing variable into
object***********************/


           reg=new Create();



           reg.setName(name);

           reg.setName1(name1);

           reg.setAddress(address);

           reg.setNationality(nationality);

           reg.setAcctype(acc);

           reg.setGender(gn);

           reg.setDob(dob);

           reg.setIdentity(Iden);
```

```
            reg.setProfession(prof);

            reg.setAc(ac1);

            reg.setInitialamnt(inti);

            reg.setDate(l16.getText());

            reg.setTime(l17.getText());



      /*************************************************************
****************/



            int con=JOptionPane.showConfirmDialog(this, "Are You Sure
to Register?");

            if(con==JOptionPane.YES_OPTION)

            {

                  new AddInformation1(reg);



                  new
Actotalcreate(Integer.parseInt(t1.getText()),0,Integer.parseInt(tid1
0.getText()),Integer.parseInt(tid10.getText()));//acc --->
Integer.parseInt(t1.getText()), withdrw -----> 0,deposite -------->
Integer.parseInt(tid10.getText()),total -------->
Integer.parseInt(tid10.getText()) (all are int)

                  new
TotalUpdate(Integer.parseInt(t1.getText()),Integer.parseInt(tid10.ge
tText()));





                  //setVisible(false);

                  JOptionPane.showMessageDialog(this, "Successfully
registered");

                  new Individualpassbook(ac1);



                  tid10.setText("");
```

```
                    tid1.setText("");

                    tid2.setText("");

                    tid3.setText("");

                    tid6.setText("");

                    t1.setText("");

                    tid4.setText("");

                    tid5.setText("");

                    tid7.setText("");

                    tid8.setText("");




               }

          }

          else

          {

               JOptionPane.showMessageDialog(this, "Minimum initial
amount should be 500", "Error", JOptionPane.ERROR_MESSAGE);

               tid10.setText("");

          }



          /**********************************************************
********/


          /*

          inti=tid10.getText();

          name=tid1.getText();

          name1=tid2.getText();

          address=tid3.getText();

          nationality=tid6.getText();
```

```
ac1=t1.getText();

Iden=(String)identity.getSelectedItem();

prof=(String)profession.getSelectedItem();

acc="";

if(rsav.isSelected())

{

      acc="Savings";

}

else if(rothers.isSelected())

{

      acc="Others";

}

gn="";

if(rmale.isSelected())

{

      gn="Male";

}

else if(rfemale.isSelected())

{

      gn="Female";

}


String d=(String)day.getSelectedItem();

String m=(String)month.getSelectedItem();

String y=(String)year.getSelectedItem();

dob=d + "-" + m + "-" + y;

*/
```

```
      /*************************************************************
************/



      /*************************packing variable into
object***********************/


      /*

      reg=new Create();



      reg.setName(name);

      reg.setName1(name1);

      reg.setAddress(address);

      reg.setNationality(nationality);

      reg.setAcctype(acc);

      reg.setGender(gn);

      reg.setDob(dob);

      reg.setIdentity(Iden);

      reg.setProfession(prof);

      reg.setAc(ac1);

      reg.setInitialamnt(inti);

      reg.setDate(l16.getText());

      reg.setTime(l17.getText());

      */


      /*************************************************************
****************/
```

```
      /*

      int con=JOptionPane.showConfirmDialog(this, "Are You Sure to 
Register?");

      if(con==JOptionPane.YES_OPTION)

      {

         new AddInformation1(reg);

         //setVisible(false);

         JOptionPane.showMessageDialog(this, "Successfully 
registered");



         tid10.setText("");

         tid1.setText("");

         tid2.setText("");

         tid3.setText("");

         tid6.setText("");

         t1.setText("");




      }


      */
                                                                }

/****************************************************************/
                                                                }
                                                           }
                                                      }
                                                 }
                                            }
                                       }
                                  }
                             }
                        }
                      }
```

```
                flagName = false;
                flagName1 = false;
                flagAddress = false;
                flagNationality = false;
                flagAccountNumber = false;
                flagInitialAmount = false;
                count =0;
                flagLandline = false;
                flagMobile = false;
                flagAge = false;
                flagProof = false;







      /******************************************previous***********
**********************/
                /*inti=tid10.getText();
                name=tid1.getText();
                name1=tid2.getText();
                address=tid3.getText();
                nationality=tid6.getText();
                ac1=t1.getText();
                Iden=(String)identity.getSelectedItem();
                prof=(String)profession.getSelectedItem();
                acc="";
                if(rsav.isSelected())
                {
                      acc="Savings";
                }
                else if(rothers.isSelected())
                {
                      acc="Others";
                }
                gn="";
                if(rmale.isSelected())
                {
                      gn="Male";
                }
                else if(rfemale.isSelected())
                {
                      gn="Female";
                }

                String d=(String)day.getSelectedItem();
                String m=(String)month.getSelectedItem();
                String y=(String)year.getSelectedItem();
                dob=d + "-" + m + "-" + y;


                reg=new Create();
                reg.setName(name);
                reg.setName1(name1);
                reg.setAddress(address);
                reg.setNationality(nationality);
                reg.setAcctype(acc);
                reg.setGender(gn);
                reg.setDob(dob);
                reg.setIdentity(Iden);
                reg.setProfession(prof);
                reg.setAc(ac1);
                reg.setInitialamnt(inti);
                reg.setDate(l16.getText());
                reg.setTime(l17.getText());

        int con=JOptionPane.showConfirmDialog(this, "Are You Sure to
Register?");

                if(con==JOptionPane.YES_OPTION)
                {
                   new AddInformation1(reg);
                   setVisible(false);

                }*/



     }
           if(e.getSource()==back)
           {
                int rply = JOptionPane.showConfirmDialog(this, "Are
you sure to quit?");
                if(rply == JOptionPane.YES_OPTION)
                {
                     new Userwindow("");
                     setVisible(false);
                }

           }


}
}

import java.awt.event.ActionEvent;
import java.awt.event.ActionListener;
import java.awt.Color;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;
import java.util.*;
import java.awt.BorderLayout;
import java.awt.Container;
import java.awt.Font;
import java.awt.GridLayout;
import java.io.*;
import javax.swing.*;

public class Withdraw extends JFrame implements ActionListener
{
     private JLabel l1,l2,l3,l4;
     private JTextField t1,t2;
     private JButton withdraw,cancel,deposit;
     private int x,amnt,t,w,account,d,r=0;
     ArrayList<Create> list1;
     private boolean flagWithdraw = false;
     private boolean flagAccNum = false;
     private boolean flagYes = false;
     private boolean flagAccMatch = false;
     private boolean flagNo = false;

     public Withdraw()
     {
          super("DEPOSIT/WITHDRAWAL SLIP");


          Container c=getContentPane();
          c.setLayout(new GridLayout(4,2));

          Font f1=new Font("Times New Roman",Font.BOLD,20);
          /*l1=new JLabel("                   WITHDRAWAL");
          l1.setFont(f1);
          l1.setForeground(Color.GRAY);
          JPanel fpanel=new JPanel();
          fpanel.add(l1);
          fpanel.setBackground(new Color(0,0,64));

          l1=new JLabel("SLIP                  ");
          l1.setFont(f1);
          l1.setForeground(Color.GRAY);
          JPanel apanel=new JPanel();
          apanel.add(l1);
          apanel.setBackground(new Color(0,0,64));*/

          l1=new JLabel("Enter ACCOUNT NO:");
          l1.setFont(f1);
          l1.setForeground(Color.GRAY);
          JPanel bpanel=new JPanel();
          bpanel.add(l1);
          bpanel.setBackground(new Color(0,0,64));

          l2=new JLabel("ENTER AMOUNT:");
          l2.setFont(f1);
          l2.setForeground(Color.GRAY);
          JPanel b1panel=new JPanel();
          b1panel.add(l2);
          b1panel.setBackground(new Color(0,0,64));

          l3=new JLabel("DEPOSIT:");
          l3.setFont(f1);
          l3.setForeground(Color.GRAY);
          JPanel b2panel=new JPanel();
```

```
        b2panel.add(l3);
        b2panel.setBackground(new Color(0,0,64));

        t1=new JTextField();
        t2=new JTextField();

        withdraw=new JButton("WITHDRAW");
        withdraw.addActionListener(this);
        JPanel dpanel=new JPanel();
        dpanel.add(withdraw);
        dpanel.setBackground(new Color(0,0,64));

        deposit=new JButton("DEPOSIT");
        deposit.addActionListener(this);
        JPanel d1panel=new JPanel();
        d1panel.add(deposit);
        d1panel.setBackground(new Color(0,0,64));

        cancel=new JButton("CANCEL");
        cancel.addActionListener(this);
        JPanel epanel=new JPanel();
        epanel.add(cancel);
        epanel.setBackground(new Color(0,0,64));

        l4=new JLabel("");
        l4.setFont(f1);
        l4.setForeground(Color.GRAY);
        JPanel b3panel=new JPanel();
        b3panel.add(l4);
        b3panel.setBackground(new Color(0,0,64));


        c.add(bpanel);c.add(t1);
        c.add(b1panel);c.add(t2);
        c.add(dpanel);c.add(d1panel);
        c.add(epanel);c.add(b3panel);

        setSize(500,500);
        setLocation(100,100);
        setResizable(false);
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
        setVisible(true);

    }



    public void actionPerformed(ActionEvent e)
    {
        //Create rg1=new Create();

        //String data[][];
        //String heading[]={"First Name","Last
name","Address","Nationality","Account Type","Date Of
Birth","Identity","Profession","Reg Date","Reg Time","A/c
no","Initial amnt"};
```

```
           String search=t1.getText();//search  ------->account
number
           if(e.getSource()==withdraw)
           {

                /********************validation
check***********************/

                String vaccNum = t1.getText();
                String vwithdrw = t2.getText();


                /*for account number check
                 * */
                String accNumpattern = "^[0-9]{4}" ;
                Scanner   scan1  =  new Scanner( vaccNum ) ;
                String   matched1  =  scan1.findInLine(
accNumpattern ) ;
                if ( matched1 == null )
                {
                     //JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.");
                     JOptionPane.showMessageDialog(this, "INVALID
ACCOUNT NUMBER\nIt should contain only digits with minimum length of
4 digit.", "Error", JOptionPane.ERROR_MESSAGE);
                     t1.setText("");
                }
                else
                {
                     flagAccNum   = true;
                }

                /*for withdraw amount check
                 * */
                String withdrawpattern = "^[0-9]{3}" ;
                Scanner   scan  =  new Scanner( vwithdrw ) ;
                String   matched  =  scan.findInLine(
withdrawpattern ) ;
                if ( matched == null )
                {
                     //JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.");
                     JOptionPane.showMessageDialog(this, "INVALID
WITHDRAW AMOUNT\nIt should contain only digits with minimum withdraw
amount of INR 100.", "Error", JOptionPane.ERROR_MESSAGE);
                     t2.setText("");
                }
                else
                {
                     flagWithdraw    = true;
                }
```

```
      /*************************************************************
*******************/

                /************************IF VALIDATION
SUCCESSFUL****************************************/

                if(flagAccNum == true)
                {
                      if(flagWithdraw == true)
                      {
                           try//read from file
                           {
                                 FileInputStream fin=new
FileInputStream("Regis.dat");
                                 ObjectInputStream oin=new
ObjectInputStream(fin);

      list1=(ArrayList<Create>)oin.readObject();
                                 //reading all account withdraw info
                           }
                           catch(Exception e1)// if file is not
present in first time
                           {
                                 JOptionPane.showMessageDialog(this,
"No file found in data base", "Error", JOptionPane.ERROR_MESSAGE);
                           }

                           /***sukanta************/

                           //x = list1.size();

                           for(Create re : list1)
                           {
                                 if(re.getAc().equals(search))
                                 {
                                       flagAccMatch  = true;


      w=Integer.parseInt(t2.getText());

      amnt=Integer.parseInt(re.getInitialamnt());
                                       if(amnt>=500)
                                       {
                                             flagNo  = true;

                                             t = amnt - w;

                                             if(t >= 500)
                                             {

      account=Integer.parseInt(t1.getText());
```

```
                                             d=0;
                                             //r++;
                                             flagYes = true;
                                        }

                                        /*
                                        if(amnt>w)
                                        {

                                             t=(amnt-w);


     account=Integer.parseInt(t1.getText());
                                             d=0;
                                             r++;

                                        }
                                        else
                                        {
                                             r=0;

     JOptionPane.showMessageDialog(this, "Insufficient Balance",
"Error", JOptionPane.ERROR_MESSAGE);
                                        }
                                        */
                                   }
                              }
                         }


                         /********msg display and argu
pass**************************************/

                         if((flagAccMatch == true) && (flagNo ==
true) && (flagYes == true))
                         {
                              new
Actotalcreate(account,w,d,t);//acc ---> account, withdrw ----->
w,deposite --------> d,total --------> t (all are int)
                              new TotalUpdate(account,t);
                              JOptionPane.showMessageDialog(this,
"Withdraw done successfully");
                              new Passdisp(t1.getText());
                              t1.setText("");
                              t2.setText("");
                         }

                         if((flagAccMatch == true) && (flagNo ==
true) && (flagYes == false))
                         {
                              JOptionPane.showMessageDialog(this,
"Insufficient balance.\nAccount balance must be 500 after
withdraw.", "Error", JOptionPane.ERROR_MESSAGE);
                              t1.setText("");
                              t2.setText("");
                         }
```

```
                           if((flagAccMatch == true) && (flagNo ==
false) && (flagYes == false))
                           {
                                JOptionPane.showMessageDialog(this,
"Account number has not the minimum balance of INR 500.", "Error",
JOptionPane.ERROR_MESSAGE);
                                t1.setText("");
                                t2.setText("");
                           }


                           if((flagAccMatch == false) && (flagNo ==
false) && (flagYes == false))
                           {
                                JOptionPane.showMessageDialog(this,
"Account number does not exists", "Error",
JOptionPane.ERROR_MESSAGE);
                                t1.setText("");
                                t2.setText("");
                           }



      /************************************************************
************/

                           flagYes = false;
                           flagAccMatch = false;
                           flagNo = false;



      /*********************mmmmmmmmmyyyyyyyyyyyyyyyyyyyy***********
************/
                           /*

                           if(flagYes == true)//if(r>0)
                           {
                                new Actotalcreate(account,w,d,t);
                                new TotalUpdate(account,t);
                                JOptionPane.showMessageDialog(this,
"Withdraw done successfully");
                                new Passdisp(t1.getText());
                                t1.setText("");
                                t2.setText("");
                           }
                           else
                           {

      //JOptionPane.showMessageDialog(this, "No Data Found");
                                JOptionPane.showMessageDialog(this,
"Failed\nAccount balance must be 500 after withdraw.", "Error",
JOptionPane.ERROR_MESSAGE);
                                t1.setText("");
                                t2.setText("");
```

```
                    }
                    flagYes = false;

                    */


    /*********************mmmmmmmmmyyyyyyyyyyyyyyyyyyyy***********
************/


                }
            }
            flagAccNum =false;
            flagWithdraw = false;

        }



        if(e.getSource()==cancel)
        {
            int rply = JOptionPane.showConfirmDialog(this, "Are
you sure to quit?");
            if(rply == JOptionPane.YES_OPTION)
            {

                new Userwindow("");
                setVisible(false);
            }
        }



        if(e.getSource()==deposit)
        {
            /*********************validation
check************************/

            String vaccNum = t1.getText();
            String vwithdrw = t2.getText();


            /*for account number check
             * */
            String accNumpattern = "^[0-9]{4}" ;
            Scanner   scan1  =  new Scanner( vaccNum ) ;
            String   matched1  =  scan1.findInLine(
accNumpattern ) ;
            if ( matched1 == null )
            {
                //JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.");
                JOptionPane.showMessageDialog(this, "INVALID
ACCOUNT NUMBER\nIt should contain only digits with minimum length of
4 digit.", "Error", JOptionPane.ERROR_MESSAGE);
```

```
                    t1.setText("");
                }
                else
                {
                    flagAccNum   = true;
                }

                /*for withdraw amount check
                 * */
                String withdrawpattern = "^[0-9]{3}" ;
                Scanner   scan  =  new Scanner( vwithdrw ) ;
                String   matched  =  scan.findInLine(
withdrawpattern ) ;
                if ( matched == null )
                {
                    //JOptionPane.showMessageDialog(this, "INVALID
PASSWORD\nIt should contain only digits with minimum password length
of 4 digit.");
                    JOptionPane.showMessageDialog(this, "INVALID
WITHDRAW AMOUNT\nIt should contain only digits with minimum withdraw
amount of INR 100.", "Error", JOptionPane.ERROR_MESSAGE);
                    t2.setText("");
                }
                else
                {
                    flagWithdraw    = true;
                }



        /*************************************************************
*******************/


                /***********************IF VALIDATION
SUCCESSFUL*************************************/

                if(flagAccNum == true)
                {
                    if(flagWithdraw == true)
                    {
                        try
                        {
                                FileInputStream fin=new
FileInputStream("Regis.dat");
                                ObjectInputStream oin=new
ObjectInputStream(fin);

list1=(ArrayList<Create>)oin.readObject();
                        }catch(Exception e1){}


                        //x = list1.size();
                        for(Create re : list1)
                        {
                            if(re.getAc().equals(search))
```

```
                              {

                                   flagAccMatch = true;


     amnt=Integer.parseInt(re.getInitialamnt());

     w=Integer.parseInt(t2.getText());
                                   t=(amnt+w);

     account=Integer.parseInt(t1.getText());
                                   d=0;

                                   r++;
                              }
                         }


                         if((flagAccNum == true) &&
(flagWithdraw== true) && (flagAccMatch == true))//if(r>0)
                         {
                              new
Actotalcreate(account,d,w,t);//acc ---> account, withdrw ----->
d,deposite --------> w,total --------> t (all are int)
                              new TotalUpdate(account,t);
                              JOptionPane.showMessageDialog(this,
"Deposite done successfully");
                              new Passdisp(t1.getText());
                              t1.setText("");
                              t2.setText("");
                         }
                         if(flagAccMatch == false)
                         {
                              JOptionPane.showMessageDialog(this,
"Account number does not exists");
                              t1.setText("");
                              t2.setText("");
                         }

                         flagAccMatch = false;
                    }
               }
               flagAccNum =false;
               flagWithdraw = false;


               /*
               try
               {
                         FileInputStream fin=new
FileInputStream("Regis.dat");
                         ObjectInputStream oin=new
ObjectInputStream(fin);
                         list1=(ArrayList<Create>)oin.readObject();
               }catch(Exception e1){}
```

```
                  x = list1.size();
                  for(Create re : list1)
                  {
                        if(re.getAc().equals(search))
                        {

      amnt=Integer.parseInt(re.getInitialamnt());
                              w=Integer.parseInt(t2.getText());
                              t=(amnt+w);
                              account=Integer.parseInt(t1.getText());
                              d=0;

                              r++;
                        }
                  }


                  if(r>0)
                  {
                        new Actotalcreate(account,d,w,t);
                        new TotalUpdate(account,t);
                        new Passdisp(t1.getText());
                        t1.setText("");
                        t2.setText("");
                  }
                  else
                  {
                        JOptionPane.showMessageDialog(this, "No Data
Found");
                  }
                  */
            }



      }
}
```

PROJECT CERTIFICATES

Certificate

This is to certify that Mr Subhrangshu Chaudhuri of JIS College of Engineering, WBUT registration number: 111230110104 of 2011-12 , has successfully completed a project on Banking System using JAVA under the guidance of Mr Chandan Mukherjee.

MR Chandan Mukherjee

GLOBSYN FINISHING SCHOOL

PROJECT CERTIFICATES

Certificate

This is to certify that Mr Subhajit Ganguly of JIS College of Engineering, WBUT registration number: 111230110101 of 2011-12, has successfully completed a project on Banking System using JAVA under the guidance of Mr Chandan Mukherjee.

MR Chandan Mukherjee

GLOBSYN FINISHING SCHOOL

PROJECT CERTIFICATES

Certificate

This is to certify that Mr Sukanta Sharma of JIS College of Engineering, WBUT registration number: 111230110109 of 2011-12, has successfully completed a project on Banking System using JAVA under the guidance of Mr Chandan Mukherjee.

MR Chandan Mukherjee

GLOBSYN FINISHING SCHOOL

PROJECT CERTIFICATES

Certificate

This is to certify that Mr Subhro Dutta of JIS College of Engineering, WBUT registration number: 111230110105 of 2011-12has successfully completed a project on Banking System using JAVA under the guidance of Mr Chandan Mukherjee.

MR Chandan Mukherjee

GLOBSYN FINISHING SCHOOL

PROJECT CERTIFICATES

Certificate

This is to certify that Mr Satyabrata Sarkar of JIS College of Engineering, WBUT registration number: 111230110087 of 2011-12, has successfully completed a project on Banking System using JAVA under the guidance of Mr Chandan Mukherjee.

MR Chandan Mukherjee

GLOBSYN FINISHING SCHOOL