## **Banking App Program using HashMap Screenshots**

## 1. Add Accounts & View All Accounts

```
package com.indium.bankingapp:
                                                                                                                                                                                                                                           BankingApp (4) [Java Application] E\eclipse-jee-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjd\u00fc
Welcome to Banking Application!
          3⊕ import java.util.Collection;
                                                                                                                                                                                                                                            1. Add Accounts
                                                                                                                                                                                                                                          1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 1
Enter Account Name: SSTella
Enter Account Type: Savings
Enter Account Type: Savings
Enter Account Active(Enter true or false): true
Account has been added successfully!
      public class BankingApp {
private static Scanner in;
private static AccountService;
                          public static void main(String[] args) {
   in = new Scanner(System.in);
      22
23 //
                                       ln = new Scanner(System.in);
accountService = new AccountServiceArrListImpl();
accountService = new AccountServiceHashMapImpl();
                                      accountService = new AccountServiceHashMapImpl();
accountService = new AccountServiceHasSetImpl();
accountService = new AccountServiceHasSetImpl();
accountService = new AccountServiceInikedListImpl();
accountService = new AccountServiceTreeMapImpl();
accountService = new AccountServiceTreeSetImpl();
System.out.print("Welcome to Banking Application!");
while (true) {
    System.out.println("\n");
    System.out.println("1. Add Accounts");
    System.out.println("2. View All Accounts");
    System.out.println("3. View Account");
    System.out.println("4. Update Account");
    System.out.println("5. Delete Account");
    System.out.println("6. Exit");
    System.out.println("6. Exit");
    System.out.println("Enter the option: ");

                                                                                                                                                                                                                                          1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 1
Enter Account Name: Steffy
Enter Account Type: Savings
Enter Account Active(Enter true or false): true
Account has been added successfully!
                                                int option = 0;
option = Integer.parseInt(in.next());
switch (option) {
                                              case 1:
    addAccount();
    System.out.println("Account has been added successfull)
    break;
case 2:
    viewALLAccounts();
                                                             e 3:
System.out.print("Enter the Account Id: ");
int id = in.nextInt();
Account acc = viewAccount(id);
printHeader();
                                                                                                                                                                                                                                                  Id
                                                                                                                                                                                                                                                                                   Name Type
SSTella Savings
Steffy Savings
                                                                                                                                                                                                                                                                                                                                                                                             Is Active
                                                                                                                                                                                                                                                                                                                                                    1232.0
                                                               printDetail(acc);
                                                                                                                                                                                                                                          1. Add Accounts
                                                              break;
2. View All Accounts
a 4:
updateAccount();
System.out.orintln("Account has been updated successfu."
5. Delete Account
5. Delete Account
```

## 2. View Account, Update Account and Delete Account

```
BankingApp (4) [Java Application] E:\eclipse-jee-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdl
                                                                                                                                                                                                                                                                                             Enter the option: 3
Enter the Account Id: 1
                     :
* import java.util.Collection;
                     public class BankingApp {
    private static Scanner in;
    private static AccountService accountService;
}
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Is Active
true
                                     private static AccountService accountService;
public static void main(String[] args) {
    in = new Scanner(System.in);
    accountService = new AccountServiceArrListImpl();
    accountService = new AccountServiceArrListImpl();
    accountService = new AccountServiceHassMapImpl();
    accountService = new AccountServiceHasSetImpl();
    accountService = new AccountServiceTereMapImpl();
    accountService = new AccountServiceTereMapImpl();
    accountService = new AccountServiceTereMapImpl();
    System.out.print("No");
    System.out.print("No");
    System.out.println("1. Add Accounts");
    System.out.println("1. Add Account");
    System.out.println("4. Update Account");
    System.out.println("6. Exit");
    System.out.println("6. Exit");
    System.out.printl("Enter the option: ");
    int option = 0;
                                                                                                                                                                                                                                                                                          1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 4
Enter the Account Id to be updated: 2
Enter Account Name: Had1
Enter Account Type: Savings
Enter Account Type: Savings
Enter Account Active(Enter true or false): true
Account has been updated successfully!
22
23 //
24 //
25 //
26 //
27 //
28 //
29 30
31
32
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59
                                                                                                                                                                                                                                                                                          1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 5
Enter the Account Id to be deleted: 1
Account has been deleted successfully!
                                                                 int option = 0;
option = Integer.parseInt(in.next());
switch (option) {
                                                                                 uuaAccount();
System.out.println("Account has been added successfully
break;
                                                                                                                                                                                                                                                                                           1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 2
                                                               break;
case 2:
   vtewALLAccounts();
   break;
case 3:
   System.out.print("Enter the Account Id: ");
   int id = in.nextInt();
   Account acc = vtewAccount(id);
                                                                                printHeader();
printDetail(acc);
break;
e 4:
                                                                                 break;
1. Add Accounts
2. View All Accounts
yupdateAccount();
System.out.println("Account has been updated successfu" view Account
```

## 3. Exit Option

```
Console ×
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BankingApp (4) [Java Application] E\eclipse-jee-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdlenter the Account 1d to be updated: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Enter Account In to be updated. Enter Account Name: Hadi
Enter Account Name: Savings
Enter Account Balance: 1232
Is Account Active(Enter true or false): true
Account has been updated successfully!
                    3⊕ import java.util.Collection;
             3@ import jetter.

16
17 public class BankingApp {
18     private static Scanner in;
19     private static AccountService;

19     private static AccountService accountService;
     19 20 21 22 23 // 24 25 // 26 // 27 // 28 // 29 30 31 32 33 34 35 36 37 38 39 40 41 42 44 44 44 44 44 44 44 44 44 44 56 51 55 55 56 57 58 59 59
                                                   private static AcountService accountService;

public static void main(String[] args) {
    in = new Scanner(System.in);
    accountService = new AccountServiceArrListImpl();
    accountService = new AccountServiceHashMapImpl();
    accountService = new AccountServiceHasSetImpl();
    accountService = new AccountServiceHasSetImpl();
    accountService = new AccountServiceInkedListImpl();
    accountService = new AccountServiceTreeMapImpl();
    accountService = new AccountServiceTreeSetImpl();
    System.out.print("Welcome to Banking Application!");
    while (true) {
        System.out.println("\n");
        Sy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1. Add Accounts
2. View All Accounts
3. Vlew Account
5. Delete Account
6. Exit
Enter the option: 5
Enter the Account Id to be deleted: 1
Account has been deleted successfully!
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 2
                                                                                                   int option = 0;
option = Integer.parseInt(in.next());
switch (option) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Name Type
Hadi Savings
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Is Active
true
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Balance
1232.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 6
Thank you!!!
                                                                                                  case 1:
    addAccount();
System.out.println("Account has been added successfully
                                                                                               break;
case 2:
    viewAllAccounts();
    break;
case 3:
    System.out.print("Enter the Account Id: ");
    int id = in.nextInt();
    Account acc = viewAccount(id);
    printHeader();
    printDetail(acc);
    break;
case 4:
    updateAccount();
                                                                                                                              break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
```