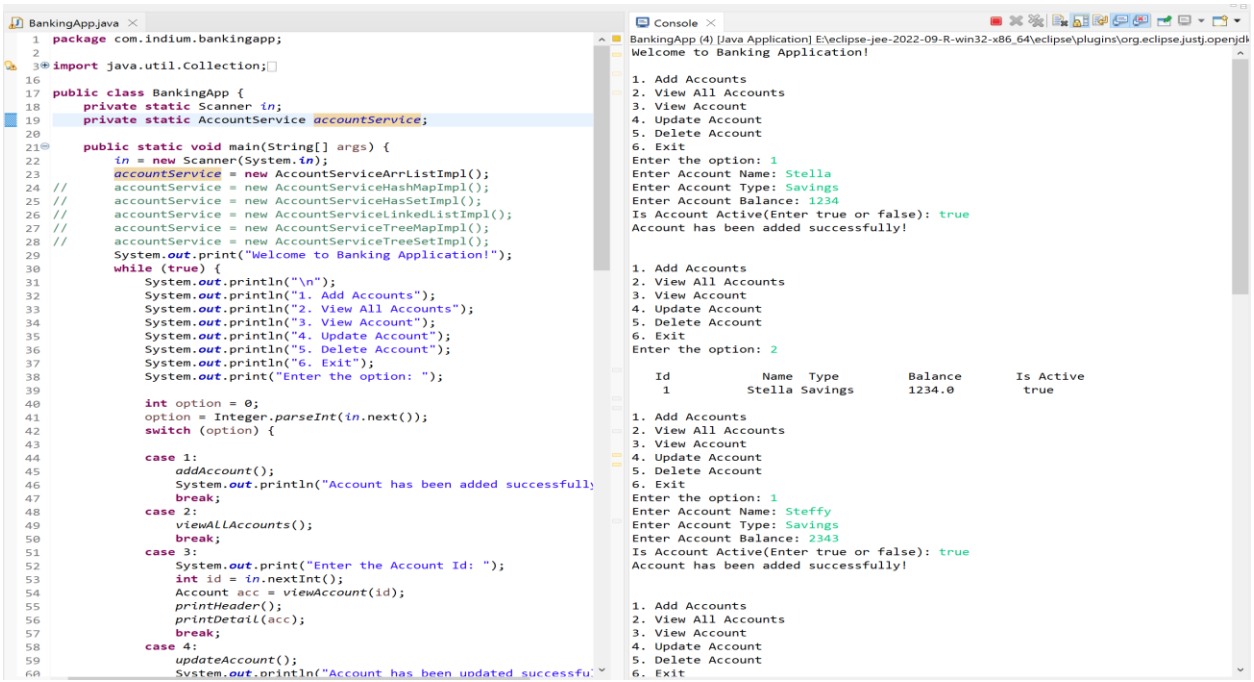
Banking App Program using ArrayList Screenshots

1. Add Accounts & View All Accounts



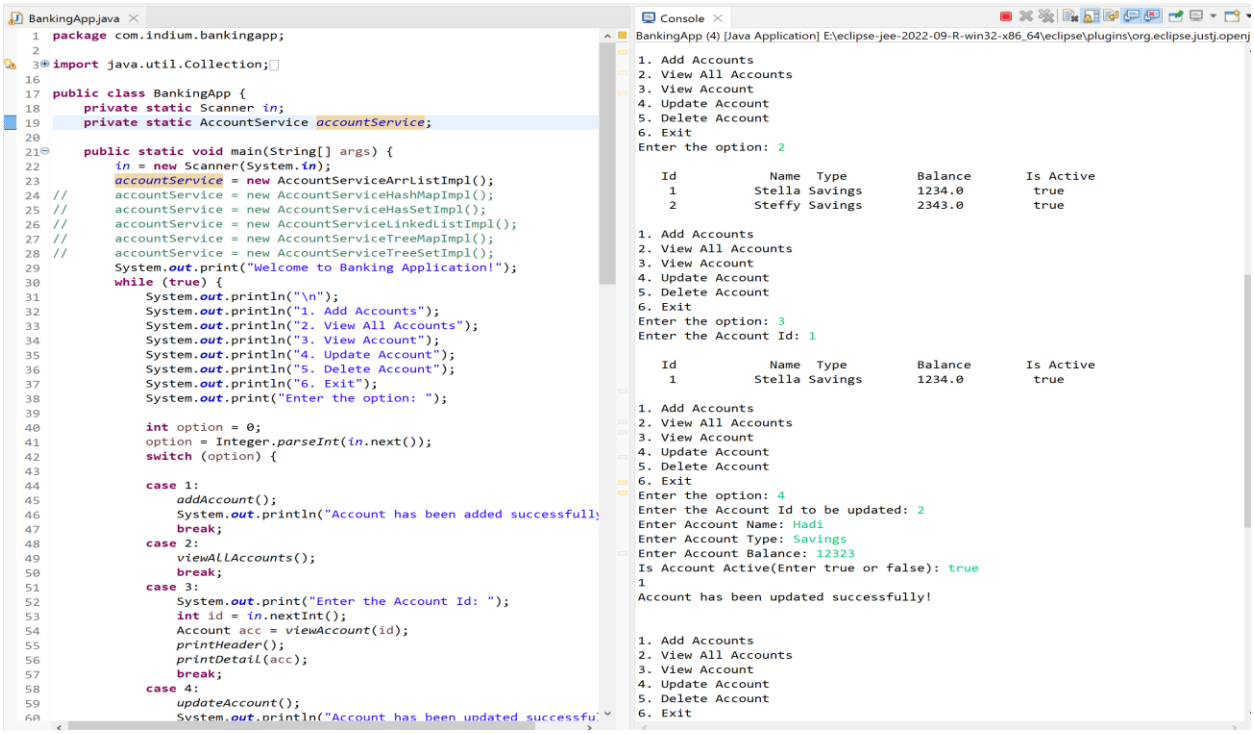
BankingApp.java

```
package com.indium.bankingapp;

import java.util.Collection;

public class BankingApp {
    private static Scanner in;
    private static AccountService accountService;

    public static void main(String[] args) {
        in = new Scanner(System.in);
        accountService = new AccountServiceArrListImpl();
//      accountService = new AccountServiceHashMapImpl();
//      accountService = new AccountServiceHasSetImpl();
//      accountService = new AccountServiceLinkedListImpl();
//      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.print("Enter the option: ");

            int option = 0;
            option = Integer.parseInt(in.next());
            switch (option) {

            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();
                System.out.println("Account has been updated successfu
```

Console

```
BankingApp (4) [Java Application] E:\eclipse-jee-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk
Welcome to Banking Application!

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: Stella
Enter Account Type: Savings
Enter Account Balance: 1234
Is Account Active(Enter true or false): true
Account has been added successfully!


1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 2

   Id            Name  Type         Balance       Is Active
    1          Stella Savings       1234.0         true

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 Balance: 2343
Is Account Active(Enter true or false): true
Account has been added successfully!


1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
```

2. View Account & Update Account



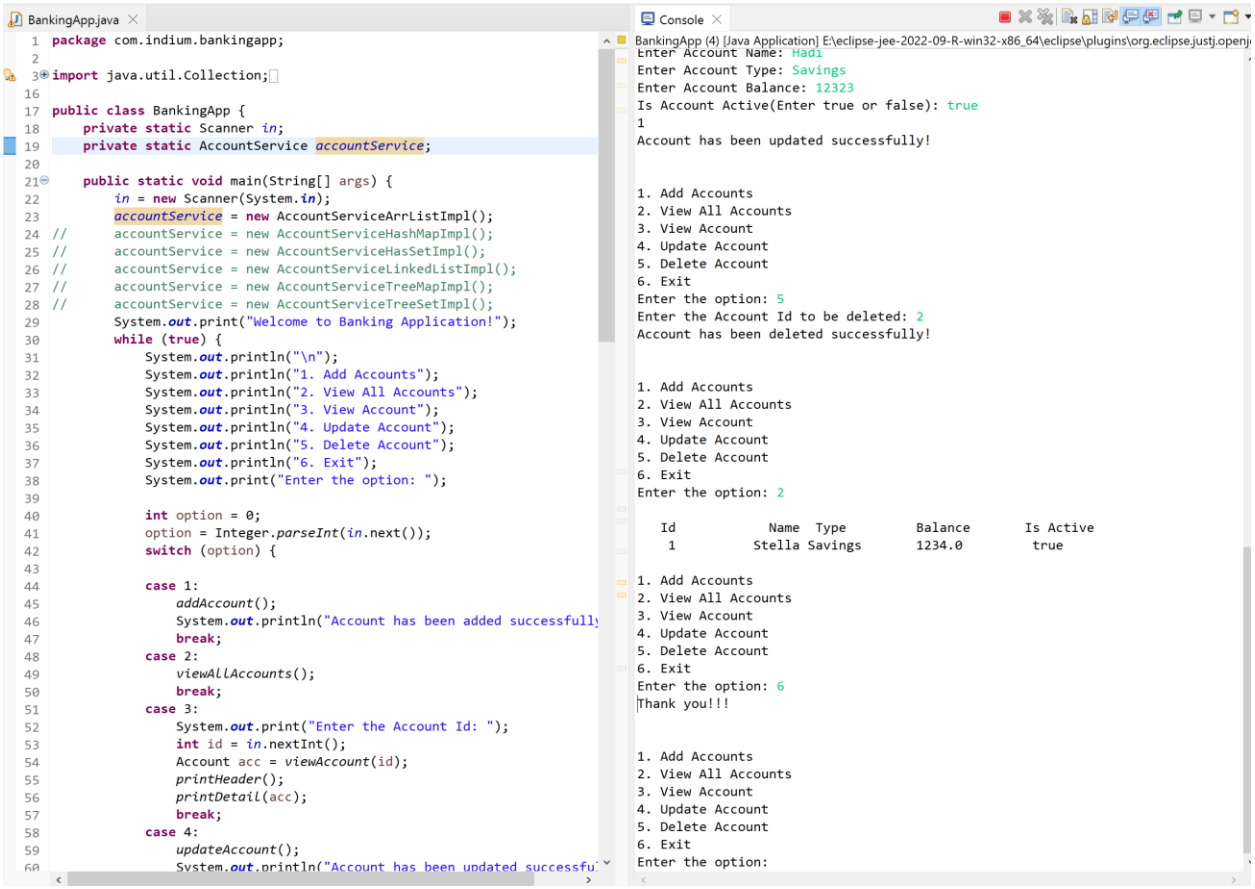
BankingApp.java

```
package com.indium.bankingapp;

import java.util.Collection;

public class BankingApp {
    private static Scanner in;
    private static AccountService accountService;

    public static void main(String[] args) {
        in = new Scanner(System.in);
        accountService = new AccountServiceArrListImpl();
//      accountService = new AccountServiceHashMapImpl();
//      accountService = new AccountServiceHasSetImpl();
//      accountService = new AccountServiceLinkedListImpl();
//      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.print("Enter the option: ");

            int option = 0;
            option = Integer.parseInt(in.next());
            switch (option) {

            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();
                System.out.println("Account has been updated successfu
```

Console

```
BankingApp (4) [Java Application] E:\eclipse-jee-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openj
1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 2

   Id            Name  Type         Balance       Is Active
    1          Stella Savings       1234.0         true
    2          Steffy Savings       2343.0         true

1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 3
Enter the Account Id: 1

   Id            Name  Type         Balance       Is Active
    1          Stella Savings       1234.0         true

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: Hadi
Enter Account Type: Savings
Enter Account Balance: 12323
Is Account Active(Enter true or false): true
1
Account has been updated successfully!


1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
```

3. Delete Account & Exit Option



BankingApp.java

```
1  package com.indium.bankingapp;
2
3  import java.util.Collection;
16
17 public class BankingApp {
18     private static Scanner in;
19     private static AccountService accountService;
20
21     public static void main(String[] args) {
22         in = new Scanner(System.in);
23         accountService = new AccountServiceArrListImpl();
24 //      accountService = new AccountServiceHashMapImpl();
25 //      accountService = new AccountServiceHasSetImpl();
26 //      accountService = new AccountServiceLinkedListImpl();
27 //      accountService = new AccountServiceTreeMapImpl();
28 //      accountService = new AccountServiceTreeSetImpl();
29         System.out.print("Welcome to Banking Application!");
30         while (true) {
31             System.out.println("\n");
32             System.out.println("1. Add Accounts");
33             System.out.println("2. View All Accounts");
34             System.out.println("3. View Account");
35             System.out.println("4. Update Account");
36             System.out.println("5. Delete Account");
37             System.out.println("6. Exit");
38             System.out.print("Enter the option: ");
39
40             int option = 0;
41             option = Integer.parseInt(in.next());
42             switch (option) {
43
44             case 1:
45                 addAccount();
46                 System.out.println("Account has been added successfully
47                 break;
48             case 2:
49                 viewAllAccounts();
50                 break;
51             case 3:
52                 System.out.print("Enter the Account Id: ");
53                 int id = in.nextInt();
54                 Account acc = viewAccount(id);
55                 printHeader();
56                 printDetail(acc);
57                 break;
58             case 4:
59                 updateAccount();
60                 System.out.println("Account has been updated successfu
```

Console

```
BankingApp (4) [Java Application] E:\eclipse-jee-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openj
Enter Account Name: Hadi
Enter Account Type: Savings
Enter Account Balance: 12323
Is Account Active(Enter true or false): true
1
Account has been updated successfully!


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: 2
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

   Id            Name  Type         Balance       Is Active
    1          Stella Savings       1234.0         true

1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option: 6
Thank you!!!


1. Add Accounts
2. View All Accounts
3. View Account
4. Update Account
5. Delete Account
6. Exit
Enter the option:
```