

bankingapp-with-collection-stats - bankingapp-with-collection-stats/src/com/indium/bankingapp/service/AccountServiceHashMapImpl.java - Eclipse IDE

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Package Explorer ×

- bankingapp-with-collection-stats [indium_jav...]
 - JRE System Library [JavaSE-17]
 - src
 - com.indium.bankingapp
 - BankingAppMain.java
 - com.indium.bankingapp.model
 - Account.java
 - com.indium.bankingapp.service
 - AccountService.java
 - AccountServiceHashMapImpl.java

AccountServiceHashMapImpl.java ×

```
1 package com.indium.bankingapp.service;
2
3 import com.indium.bankingapp.model.Account;
4
5
6
7
8
9 public class AccountServiceHashMapImpl implements AccountService<Account> {
10     private Map<Integer, Account> accounts = new HashMap<>();
11
12     @Override
13     public boolean createAccount(Account account) {
14         if (accounts.containsKey(account.getId())) {
15             throw new IllegalArgumentException("Account with the same ID already exists.");
16         }
17         accounts.put(account.getId(), account);
18         return true;
19     }
20
21     @Override
22     public boolean updateAccount(int id, Account account) {
23         if (accounts.containsKey(id)) {
24             accounts.put(id, account);
25             return true;
26         } else {
27             throw new IllegalArgumentException("Account not found.");
28         }
29     }
30
31     @Override
32     public boolean deleteAccount(int id) {
33         if (accounts.containsKey(id)) {
34             accounts.remove(id);
35             return true;
36         } else {
```

Task List ×

Find All Activate...

Outline ×

- com.indium.bankingapp.service
 - AccountServiceHashMapImpl
 - accounts : Map<Integer, Account>
 - createAccount(Account) : boolean
 - updateAccount(int, Account) : boolean
 - deleteAccount(int) : boolean
 - getAccount(int) : Account
 - getAllAccounts() : Collection<Account>

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AccountServiceHashMapImpl.java

```
19 }  
20  
21 @Override  
22 public boolean updateAccount(int id, Account account) {  
23     if (accounts.containsKey(id)) {  
24         accounts.put(id, account);  
25         return true;  
26     } else {  
27         throw new IllegalArgumentException("Account not found.");  
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31 @Override  
32 public boolean deleteAccount(int id) {  
33     if (accounts.containsKey(id)) {  
34         accounts.remove(id);  
35         return true;  
36     } else {  
37         throw new IllegalArgumentException("Account not found.");  
38     }  
39 }  
40  
41 @Override  
42 public Account getAccount(int id) {  
43     return accounts.get(id);  
44 }  
45  
46 @Override  
47 public Collection<Account> getAllAccounts() {  
48     return accounts.values();  
49 }  
50 }
```

Task List

Find All Activate...

Outline

com.indium.bankingapp.service
AccountServiceHashMapImpl
accounts : Map<Integer, Account>
createAccount(Account) : boolean
updateAccount(int, Account) : boolean
deleteAccount(int) : boolean
getAccount(int) : Account
getAllAccounts() : Collection<Account>