BankApp

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Chapter 1

Namespace Index

1.1 Packages

Here are the packages with brief descriptions (if available):

bankapp																							٤
bankapp.client								 															ç
bankapp.server								 								 	 						Ç

2 Namespace Index

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

bankapp.server.Account	1
bankapp.server.Admin	2
bankapp.server.User	31
bankapp.server.bankAccount	13
bankapp.server.bankAccountTest	15
bankapp.client.bankClient	15
bankapp.client.bankController	16
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bankapp.server.lbankDAO	22
bankapp.server.bankDAO	7
bankapp.server.Performance	26
bankapp.server.Report	26
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bankapp.client.RMIServiceLocator	29
bankapp.server.ServerTest	30
bankapp.server.UserTest	33
Remote	
bankapp.server.IBManager	24
bankapp.server.BManager	20
UnicastRemoteObject	
bankapp.server.BManager	20

4 Hierarchical Index

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

bankapp.server.Account
bankapp.server.Admin
bankapp.server.bankAccount
bankapp.server.bankAccountTest
bankapp.client.bankClient
bankapp.client.bankController
bankapp.server.bankDAO
bankapp.server.bankServer
bankapp.server.BDTest
bankapp.server.BManager
bankapp.server.lbankDAO
bankapp.server.IBManager
bankapp.server.Performance
bankapp.server.Report
bankapp.server.ReportTest
bankapp.client.RMIServiceLocator
bankapp.server.ServerTest
bankapp.server.User
bankapp.server.UserTest

6 Class Index

Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

src/main/java/bankapp/client/BankClient.java
src/main/java/bankapp/client/BankController.java35
src/main/java/bankapp/client/RMIServiceLocator.java
src/main/java/bankapp/server/Account.java
src/main/java/bankapp/server/Admin.java
src/main/java/bankapp/server/bankAccount.java
src/main/java/bankapp/server/BankDAO.java
src/main/java/bankapp/server/BankServer.java
src/main/java/bankapp/server/BManager.java
src/main/java/bankapp/server/IBankDAO.java
src/main/java/bankapp/server/IBManager.java
src/main/java/bankapp/server/Report.java
src/main/java/bankapp/server/User.java
src/test/java/bankapp/server/bankAccountTest.java
src/test/java/bankapp/server/BDTest.java
src/test/java/bankapp/server/Performance.java
src/test/java/bankapp/server/ReportTest.java
src/test/java/bankapp/server/ServerTest.java
src/test/java/bankapp/server/UserTest.java

8 File Index

Chapter 5

Namespace Documentation

5.1 Package bankapp

Packages

- · package client
- package server

5.2 Package bankapp.client

Classes

- class bankClient
- class bankController
- class RMIServiceLocator

5.3 Package bankapp.server

Classes

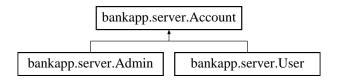
- class Account
- class Admin
- class bankAccount
- class bankAccountTest
- class bankDAO
- class bankServer
- class BDTest
- class BManager
- interface IbankDAO
- interface IBManager
- class Performance
- class Report
- class ReportTest
- class ServerTest
- class User
- class UserTest

Chapter 6

Class Documentation

6.1 bankapp.server.Account Class Reference

Inheritance diagram for bankapp.server.Account:



Public Member Functions

- Account (String username, String pass)
- String getUsername ()
- String getPass ()
- void setPass (String pass)
- String toString ()

6.1.1 Detailed Description

Definition at line 9 of file Account.java.

6.1.2 Constructor & Destructor Documentation

6.1.2.1 Account()

Definition at line 13 of file Account.java.

6.1.3 Member Function Documentation

6.1.3.1 getPass()

```
String bankapp.server.Account.getPass ( )
```

Definition at line 20 of file Account.java.

6.1.3.2 getUsername()

```
String bankapp.server.Account.getUsername ( )
```

Definition at line 17 of file Account.java.

6.1.3.3 setPass()

```
void bankapp.server.Account.setPass ( {\tt String}\ pass\ )
```

Definition at line 23 of file Account.java.

6.1.3.4 toString()

```
String bankapp.server.Account.toString ( )
```

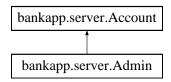
Definition at line 26 of file Account.java.

The documentation for this class was generated from the following file:

• src/main/java/bankapp/server/Account.java

6.2 bankapp.server.Admin Class Reference

Inheritance diagram for bankapp.server.Admin:



Public Member Functions

• Admin (String username, String pass)

6.2.1 Detailed Description

Definition at line 7 of file Admin.java.

6.2.2 Constructor & Destructor Documentation

6.2.2.1 Admin()

Definition at line 8 of file Admin.java.

The documentation for this class was generated from the following file:

• src/main/java/bankapp/server/Admin.java

6.3 bankapp.server.bankAccount Class Reference

Public Member Functions

- bankAccount ()
- int getnumAcc ()
- long getmoney ()
- void addmoney (long money)
- void deducemoney (long money)

6.3.1 Detailed Description

Definition at line 6 of file bankAccount.java.

6.3.2 Constructor & Destructor Documentation

6.3.2.1 bankAccount()

```
bankapp.server.bankAccount.bankAccount ( )
```

Definition at line 11 of file bankAccount.java.

6.3.3 Member Function Documentation

6.3.3.1 addmoney()

Definition at line 22 of file bankAccount.java.

6.3.3.2 deducemoney()

Definition at line 25 of file bankAccount.java.

6.3.3.3 getmoney()

```
long bankapp.server.bankAccount.getmoney ( )
```

Definition at line 19 of file bankAccount.java.

6.3.3.4 getnumAcc()

```
int bankapp.server.bankAccount.getnumAcc ( )
```

Definition at line 16 of file bankAccount.java.

The documentation for this class was generated from the following file:

• src/main/java/bankapp/server/bankAccount.java

6.4 bankapp.server.bankAccountTest Class Reference

P	ubl	ic	Mer	nber	Fur	nctions

• void validAccount ()

6.4.1 Detailed Description

Definition at line 9 of file bankAccountTest.java.

6.4.2 Member Function Documentation

6.4.2.1 validAccount()

```
\verb"void bankapp.server.bankAccountTest.validAccount" ( )\\
```

Definition at line 12 of file bankAccountTest.java.

The documentation for this class was generated from the following file:

• src/test/java/bankapp/server/bankAccountTest.java

6.5 bankapp.client.bankClient Class Reference

Static Public Member Functions

• static void main (String[] args)

6.5.1 Detailed Description

Definition at line 5 of file BankClient.java.

6.5.2 Member Function Documentation

6.5.2.1 main()

Definition at line 8 of file BankClient.java.

The documentation for this class was generated from the following file:

• src/main/java/bankapp/client/BankClient.java

6.6 bankapp.client.bankController Class Reference

Public Member Functions

- bankController (String ip, String port, String serviceName)
- boolean login (String user, String pass)

6.6.1 Detailed Description

Definition at line 3 of file BankController.java.

6.6.2 Constructor & Destructor Documentation

6.6.2.1 bankController()

Definition at line 7 of file BankController.java.

6.6.3 Member Function Documentation

6.6.3.1 login()

```
boolean bankapp.client.bankController.login ( String\ user, String\ pass\ )
```

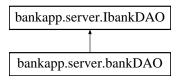
Definition at line 14 of file BankController.java.

The documentation for this class was generated from the following file:

src/main/java/bankapp/client/BankController.java

6.7 bankapp.server.bankDAO Class Reference

Inheritance diagram for bankapp.server.bankDAO:



Public Member Functions

- bankDAO ()
- Account getAccount (String username)
- void storeAccount (Account acc)
- void storeReport (Report rep)
- void deleteAccount (String username)

6.7.1 Detailed Description

Definition at line 13 of file BankDAO.java.

6.7.2 Constructor & Destructor Documentation

6.7.2.1 bankDAO()

```
bankapp.server.bankDAO.bankDAO ( )
```

Definition at line 15 of file BankDAO.java.

6.7.3 Member Function Documentation

6.7.3.1 deleteAccount()

```
void bankapp.server.bankDAO.deleteAccount ( String \ \textit{username} \ )
```

Implements bankapp.server.lbankDAO.

Definition at line 87 of file BankDAO.java.

6.7.3.2 getAccount()

```
Account bankapp.server.bankDAO.getAccount (
String username)
```

Implements bankapp.server.lbankDAO.

Definition at line 21 of file BankDAO.java.

6.7.3.3 storeAccount()

Implements bankapp.server.lbankDAO.

Definition at line 46 of file BankDAO.java.

6.7.3.4 storeReport()

Implements bankapp.server.lbankDAO.

Definition at line 66 of file BankDAO.java.

The documentation for this class was generated from the following file:

• src/main/java/bankapp/server/BankDAO.java

6.8 bankapp.server.bankServer Class Reference

Static Public Member Functions

• static void main (String args[])

6.8.1 Detailed Description

Definition at line 6 of file BankServer.java.

6.8.2 Member Function Documentation

6.8.2.1 main()

Definition at line 7 of file BankServer.java.

The documentation for this class was generated from the following file:

• src/main/java/bankapp/server/BankServer.java

6.9 bankapp.server.BDTest Class Reference

Public Member Functions

- void setup ()
- void validBD ()

6.9.1 Detailed Description

Definition at line 8 of file BDTest.java.

6.9.2 Member Function Documentation

```
6.9.2.1 setup()
```

```
void bankapp.server.BDTest.setup ( )
```

Definition at line 11 of file BDTest.java.

6.9.2.2 validBD()

```
void bankapp.server.BDTest.validBD ( )
```

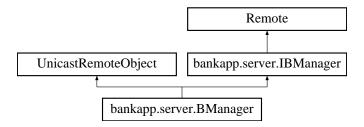
Definition at line 16 of file BDTest.java.

The documentation for this class was generated from the following file:

src/test/java/bankapp/server/BDTest.java

6.10 bankapp.server.BManager Class Reference

Inheritance diagram for bankapp.server.BManager:



Public Member Functions

- BManager (String serverAddress, String port0, String servName) throws RemoteException
- char login (String username, String pass) throws RemoteException
- int createBankAccount (String user) throws RemoteException
- void addFunds (String user, String accNum, long money) throws RemoteException
- void deleteBankAccount (String user, String accNum1, String accNum2) throws RemoteException
- · void deleteAccount (String user) throws RemoteException
- · void createUser (String username, String pass, String email) throws RemoteException

6.10.1 Detailed Description

Definition at line 8 of file BManager.java.

6.10.2 Constructor & Destructor Documentation

6.10.2.1 BManager()

Definition at line 22 of file BManager.java.

6.10.3 Member Function Documentation

6.10.3.1 addFunds()

Implements bankapp.server.IBManager.

Definition at line 79 of file BManager.java.

6.10.3.2 createBankAccount()

```
int bankapp.server.BManager.createBankAccount ( {\tt String}\ user\ )\ {\tt throws}\ {\tt RemoteException}
```

Implements bankapp.server.IBManager.

Definition at line 70 of file BManager.java.

6.10.3.3 createUser()

Implements bankapp.server.IBManager.

Definition at line 103 of file BManager.java.

6.10.3.4 deleteAccount()

Implements bankapp.server.IBManager.

Definition at line 97 of file BManager.java.

6.10.3.5 deleteBankAccount()

```
void bankapp.server.BManager.deleteBankAccount ( String \ user, \\ String \ accNum1, \\ String \ accNum2 ) \ throws \ RemoteException
```

Implements bankapp.server.IBManager.

Definition at line 88 of file BManager.java.

6.10.3.6 login()

```
char bankapp.server.BManager.login ( String \ username, \\ String \ pass ) \ throws \ RemoteException
```

Implements bankapp.server.IBManager.

Definition at line 30 of file BManager.java.

6.10.3.7 transaction()

```
void bankapp.server.BManager.transaction (
    String user1,
    String user2,
    long money,
    String accNum1,
    String accNum2 ) throws RemoteException
```

Implements bankapp.server.IBManager.

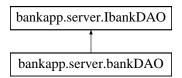
Definition at line 53 of file BManager.java.

The documentation for this class was generated from the following file:

• src/main/java/bankapp/server/BManager.java

6.11 bankapp.server.lbankDAO Interface Reference

Inheritance diagram for bankapp.server.lbankDAO:



Public Member Functions

- Account getAccount (String username)
- void storeAccount (Account acc)
- void storeReport (Report rep)
- void deleteAccount (String username)

6.11.1 Detailed Description

Definition at line 4 of file IBankDAO.java.

6.11.2 Member Function Documentation

6.11.2.1 deleteAccount()

```
void bankapp.server.IbankDAO.deleteAccount ( String \ username \ )
```

Implemented in bankapp.server.bankDAO.

6.11.2.2 getAccount()

Implemented in bankapp.server.bankDAO.

6.11.2.3 storeAccount()

Implemented in bankapp.server.bankDAO.

6.11.2.4 storeReport()

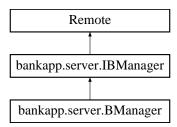
Implemented in bankapp.server.bankDAO.

The documentation for this interface was generated from the following file:

src/main/java/bankapp/server/IBankDAO.java

6.12 bankapp.server.IBManager Interface Reference

Inheritance diagram for bankapp.server.IBManager:



Public Member Functions

- char login (String user, String pass) throws RemoteException
- void transaction (String user1, String user2, long money, String accNum1, String accNum2) throws Remote
 Exception
- int createBankAccount (String user) throws RemoteException
- void addFunds (String user, String accNum, long money) throws RemoteException
- void deleteBankAccount (String user, String accNum1, String accNum2) throws RemoteException
- · void deleteAccount (String user) throws RemoteException
- · void createUser (String username, String pass, String email) throws RemoteException

6.12.1 Detailed Description

Definition at line 6 of file IBManager.java.

6.12.2 Member Function Documentation

6.12.2.1 addFunds()

Implemented in bankapp.server.BManager.

6.12.2.2 createBankAccount()

```
int bankapp.server.IBManager.createBankAccount ( {\tt String}\ user\ )\ {\tt throws}\ {\tt RemoteException}
```

Implemented in bankapp.server.BManager.

6.12.2.3 createUser()

Implemented in bankapp.server.BManager.

6.12.2.4 deleteAccount()

Implemented in bankapp.server.BManager.

6.12.2.5 deleteBankAccount()

Implemented in bankapp.server.BManager.

6.12.2.6 login()

Implemented in bankapp.server.BManager.

6.12.2.7 transaction()

Implemented in bankapp.server.BManager.

The documentation for this interface was generated from the following file:

• src/main/java/bankapp/server/IBManager.java

6.13 bankapp.server.Performance Class Reference

Static Public Member Functions

• static void main (String[] args)

6.13.1 Detailed Description

Definition at line 3 of file Performance.java.

6.13.2 Member Function Documentation

```
6.13.2.1 main()
static void bankapp.server.Performance.main (
```

String [] args) [static]

Definition at line 5 of file Performance.java.

The documentation for this class was generated from the following file:

• src/test/java/bankapp/server/Performance.java

6.14 bankapp.server.Report Class Reference

Public Member Functions

- Report (String user1, String user2, long money, String accNum1, String accNum2)
- Report (String user1)
- Report (String user1, String accNum1, long money)
- String getReportType ()
- String getUser1 ()
- String getUser2 ()
- String getAccNum1 ()
- String getAccNum2 ()
- int getId ()
- long getMoney ()

6.14.1 Detailed Description

Definition at line 7 of file Report.java.

6.14.2 Constructor & Destructor Documentation

Definition at line 18 of file Report.java.

Definition at line 29 of file Report.java.

Definition at line 36 of file Report.java.

6.14.3 Member Function Documentation

long money)

```
6.14.3.1 getAccNum1()
String bankapp.server.Report.getAccNum1 ( )
```

Definition at line 54 of file Report.java.

```
6.14.3.2 getAccNum2()
String bankapp.server.Report.getAccNum2 ( )
Definition at line 57 of file Report.java.
6.14.3.3 getId()
int bankapp.server.Report.getId ( )
Definition at line 60 of file Report.java.
6.14.3.4 getMoney()
long bankapp.server.Report.getMoney ( )
Definition at line 63 of file Report.java.
6.14.3.5 getReportType()
String bankapp.server.Report.getReportType ( )
Definition at line 45 of file Report.java.
6.14.3.6 getUser1()
String bankapp.server.Report.getUser1 ( )
Definition at line 48 of file Report.java.
6.14.3.7 getUser2()
String bankapp.server.Report.getUser2 ( )
```

src/main/java/bankapp/server/Report.java

The documentation for this class was generated from the following file:

Definition at line 51 of file Report.java.

6.15 bankapp.server.ReportTest Class Reference

Public Member Functions

• void validReport ()

6.15.1 Detailed Description

Definition at line 8 of file ReportTest.java.

6.15.2 Member Function Documentation

6.15.2.1 validReport()

```
void bankapp.server.ReportTest.validReport ( )
```

Definition at line 11 of file ReportTest.java.

The documentation for this class was generated from the following file:

• src/test/java/bankapp/server/ReportTest.java

6.16 bankapp.client.RMIServiceLocator Class Reference

Public Member Functions

- void setService (String ip, String port, String serviceName)
- boolean login (String user, String pass)

6.16.1 Detailed Description

Definition at line 8 of file RMIServiceLocator.java.

6.16.2 Member Function Documentation

30 Class Documentation

6.16.2.1 login()

Definition at line 21 of file RMIServiceLocator.java.

6.16.2.2 setService()

Definition at line 12 of file RMIServiceLocator.java.

The documentation for this class was generated from the following file:

• src/main/java/bankapp/client/RMIServiceLocator.java

6.17 bankapp.server.ServerTest Class Reference

Public Member Functions

- · void setup () throws RemoteException
- void testLogin () throws RemoteException

6.17.1 Detailed Description

Definition at line 10 of file ServerTest.java.

6.17.2 Member Function Documentation

```
6.17.2.1 setup()
```

```
\verb"void bankapp.server.ServerTest.setup" ( ) \verb"throws RemoteException" \\
```

Definition at line 14 of file ServerTest.java.

6.17.2.2 testLogin()

```
void bankapp.server.ServerTest.testLogin ( ) throws RemoteException
```

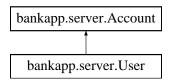
Definition at line 20 of file ServerTest.java.

The documentation for this class was generated from the following file:

src/test/java/bankapp/server/ServerTest.java

6.18 bankapp.server.User Class Reference

Inheritance diagram for bankapp.server.User:



Public Member Functions

- User (String username, String pass, String email)
- void deduceAccountFunds (String accNum, long money)
- void addFundstoAccount (String accNum, long money)
- int createAccount ()
- · void addAccount (bankAccount acc)
- String getEmail ()
- void setEmail (String email)
- void deleteAccount (String accNum)
- · bankAccount getAccount (String accNum)

6.18.1 Detailed Description

Definition at line 7 of file User.java.

6.18.2 Constructor & Destructor Documentation

6.18.2.1 User()

Definition at line 12 of file User.java.

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6.18.3 Member Function Documentation

```
6.18.3.1 addAccount()
```

```
void bankapp.server.User.addAccount (
          bankAccount acc )
```

Definition at line 28 of file User.java.

6.18.3.2 addFundstoAccount()

Definition at line 20 of file User.java.

6.18.3.3 createAccount()

```
int bankapp.server.User.createAccount ( )
```

Definition at line 23 of file User.java.

6.18.3.4 deduceAccountFunds()

Definition at line 17 of file User.java.

6.18.3.5 deleteAccount()

Definition at line 37 of file User.java.

6.18.3.6 getAccount()

Definition at line 40 of file User.java.

6.18.3.7 getEmail()

```
String bankapp.server.User.getEmail ( )
```

Definition at line 31 of file User.java.

6.18.3.8 setEmail()

Definition at line 34 of file User.java.

The documentation for this class was generated from the following file:

• src/main/java/bankapp/server/User.java

6.19 bankapp.server.UserTest Class Reference

Public Member Functions

- void validUser ()
- void testAddFunds ()
- void testTransaction ()

Static Protected Attributes

· static Validator validator

6.19.1 Detailed Description

Definition at line 12 of file UserTest.java.

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6.19.2 Member Function Documentation

```
6.19.2.1 testAddFunds()

void bankapp.server.UserTest.testAddFunds ( )
```

Definition at line 35 of file UserTest.java.

```
6.19.2.2 testTransaction()
```

```
void bankapp.server.UserTest.testTransaction ( )
```

Definition at line 43 of file UserTest.java.

6.19.2.3 validUser()

```
void bankapp.server.UserTest.validUser ( )
```

Definition at line 23 of file UserTest.java.

6.19.3 Member Data Documentation

6.19.3.1 validator

```
Validator bankapp.server.UserTest.validator [static], [protected]
```

Definition at line 14 of file UserTest.java.

The documentation for this class was generated from the following file:

• src/test/java/bankapp/server/UserTest.java

Chapter 7

File Documentation

7.1 src/main/java/bankap	o/client/BankClient.java	File Reference
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Classes

• class bankapp.client.bankClient

Packages

• package bankapp.client

7.2 src/main/java/bankapp/client/BankController.java File Reference

Classes

• class bankapp.client.bankController

Packages

• package bankapp.client

7.3 src/main/java/bankapp/client/RMIServiceLocator.java File Reference

Classes

• class bankapp.client.RMIServiceLocator

Packages

• package bankapp.client

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7.4 src/main/java/bankapp/server/Account.java File Reference

Classes

· class bankapp.server.Account

Packages

• package bankapp.server

7.5 src/main/java/bankapp/server/Admin.java File Reference

Classes

· class bankapp.server.Admin

Packages

• package bankapp.server

7.6 src/main/java/bankapp/server/bankAccount.java File Reference

Classes

· class bankapp.server.bankAccount

Packages

• package bankapp.server

7.7 src/main/java/bankapp/server/BankDAO.java File Reference

Classes

· class bankapp.server.bankDAO

Packages

• package bankapp.server

7.8 src/main/java/bankapp/server/BankServer.java File Reference

Classes

· class bankapp.server.bankServer

Packages

• package bankapp.server

7.9 src/main/java/bankapp/server/BManager.java File Reference

Classes

· class bankapp.server.BManager

Packages

• package bankapp.server

7.10 src/main/java/bankapp/server/IBankDAO.java File Reference

Classes

• interface bankapp.server.lbankDAO

Packages

• package bankapp.server

7.11 src/main/java/bankapp/server/IBManager.java File Reference

Classes

• interface bankapp.server.IBManager

Packages

package bankapp.server

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7.12 src/main/java/bankapp/server/Report.java File Reference

Classes

· class bankapp.server.Report

Packages

• package bankapp.server

7.13 src/main/java/bankapp/server/User.java File Reference

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· class bankapp.server.User

Packages

• package bankapp.server

7.14 src/test/java/bankapp/server/bankAccountTest.java File Reference

Classes

· class bankapp.server.bankAccountTest

Packages

• package bankapp.server

7.15 src/test/java/bankapp/server/BDTest.java File Reference

Classes

· class bankapp.server.BDTest

Packages

• package bankapp.server

7.16 src/test/java/bankapp/server/Performance.java File Reference

Classes

· class bankapp.server.Performance

Packages

• package bankapp.server

7.17 src/test/java/bankapp/server/ReportTest.java File Reference

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· class bankapp.server.ReportTest

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· package bankapp.server

7.18 src/test/java/bankapp/server/ServerTest.java File Reference

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· class bankapp.server.ServerTest

Packages

• package bankapp.server

7.19 src/test/java/bankapp/server/UserTest.java File Reference

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· class bankapp.server.UserTest

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