**package** com.capgemini.ujjwala.test;

**import** **static** org.junit.Assert.\*;

**import** java.util.Map;

**import** org.junit.After;

**import** org.junit.Assert;

**import** org.junit.Before;

**import** org.junit.Test;

**import** com.capgemini.ujjwala.bean.Account;

**import** com.capgemini.ujjwala.dao.StoreUserdata;

**import** com.capgemini.ujjwala.exception.BalanceException;

**import** com.capgemini.ujjwala.exception.RecordNotFoundException;

**public** **class** AccountTest {

StoreUserdata accountDao = **null**;

@Before

**public** **void** setUp() **throws** Exception {

accountDao = **new** StoreUserdata();

}

@After

**public** **void** tearDown() **throws** Exception {

accountDao = **null**;

}

@Test

**public** **void** testShowbalanceValidDetails() {

Account acc=**new** Account("Ujjwala", 9029519704L, "ujjwalachavan@gmail.com");

accountDao.openAccount(acc);

**try** {

**double** amount = accountDao.showBalance(acc.getAccNo());

Assert.*assertNotNull*(amount);

} **catch** (RecordNotFoundException e) {

System.***out***.println(e);

}

}

@Test

**public** **void** testShowbalanceInvalidDetails() {

Account acc=**new** Account("Ujjwala", 9029519704L, "ujjwalachavan@gmail.com");

accountDao.openAccount(acc);

**try** {

**double** amount = accountDao.showBalance(12345);

Assert.*assertNull*(amount);

} **catch** (RecordNotFoundException e) {

System.***out***.println(e);

}

}

@Test

**public** **void** testDepositValidDetails() {

Account acc=**new** Account("Ujjwala", 9029519704L, "ujjwalachavan@gmail.com");

accountDao.openAccount(acc);

**try** {

**double** amount = acc.getBalance();

accountDao.deposit(acc.getAccNo(), 4000);

**double** upadatedAmount=acc.getBalance();

amount+=4000;

Assert.*assertTrue*(amount==upadatedAmount);;

} **catch** (RecordNotFoundException e) {

System.***out***.println(e);

}

}

@Test

**public** **void** testDepositInvalidDetails() {

Account acc=**new** Account("Ujjwala", 9029519704L, "ujjwalachavan@gmail.com");

accountDao.openAccount(acc);

**try** {

**double** amount = acc.getBalance();

accountDao.deposit(acc.getAccNo(), 4000);

Assert.*assertFalse*(amount==amount+2000);

} **catch** (RecordNotFoundException e) {

System.***out***.println(e);

}

}

@Test

**public** **void** testWithdrawValidDetails() {

Account acc=**new** Account("Ujjwala", 9029519704L, "ujjwalachavan@gmail.com");

accountDao.openAccount(acc);

**try** {

**double** amount = acc.getBalance();

accountDao.withdraw(acc.getAccNo(), 4000);

**double** upadatedAmount=acc.getBalance();

amount-=4000;

Assert.*assertTrue*(amount==upadatedAmount);;

} **catch** (RecordNotFoundException | BalanceException e) {

System.***out***.println(e);

}

}

@Test

**public** **void** testWithdrawInvalidDetails() {

Account acc=**new** Account("Ujjwala", 9029519704L, "ujjwalachavan@gmail.com");

accountDao.openAccount(acc);

**try** {

**double** amount = acc.getBalance();

accountDao.deposit(acc.getAccNo(), 4000);

Assert.*assertFalse*(amount==amount-2000);

} **catch** (RecordNotFoundException e) {

System.***out***.println(e);

}

}

}