测试用例列表：

|  |  |
| --- | --- |
| 测试用例ID | 测试用例描述 |
| APIInterfaceImpl\_Test001 | APIInterfaceImpl中方法的测试 |
| StockBLImpl\_Test002 | StockBLImpl中方法的测试 |
| BenchMarkBLImpl\_Test003 | BenchMarkBLImpl中方法的测试 |
| OptionalStockBLServiceImpl\_Test004 | OptionalStockBLServiceImpl中方法的测试 |

相关的Junit源码文件：

**public** **class** APIInterfaceImplTest {

APIInterfaceImpl api;

@Before

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

api= (APIInterfaceImpl) APIInterfaceImpl.*getAPIInterfaceImpl*();

}

@Test

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

}

@Test

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

List<String> **codes** = api.getAllStocks();

**if**(codes==**null**){

*fail*("fail to pass getAllStocks()--NULL");

}

**if**(!codes.get(0).equals("sz002644")||!codes.get(codes.size()-1).equals("sh600571")){

*fail*("fail to pass getAllStocks()");

}

}

@Test

**public** **void** getAllStocks1() **throws** Exception {

List<String> **codes** = api.getAllStocks(Exchange.***sh***);

**if**(codes==**null**){

*fail*("fail to pass getAllStocks1()--NULL");

}

**if**(!codes.get(0).equals("sh600216")){

*fail*("fail to pass getAllStocks1()");

}

}

@Test

**public** **void** getAllStocks2() **throws** Exception {

List<String> **codes** = api.getAllStocks(2015);

**if**(codes==**null**){

*fail*("fail to pass getAllStocks2()--NULL");

}

**if**(!codes.get(0).equals("sz002644")){

*fail*("fail to pass getAllStocks2()");

}

}

@Test

**public** **void** getAllStocks3() **throws** Exception {

List<String> **codes** = api.getAllStocks(2015,Exchange.***sz***);

**if**(codes==**null**){

*fail*("fail to pass getAllStocks3()--NULL");

}

**if**(!codes.get(0).equals("sz002644")){

*fail*("fail to pass getAllStocks3()");

}

}

@Test

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

StockPO **stockPO** = api.getStockMes("sh600216");

**if**(stockPO==**null**){

*fail*("fail to pass getStockMes()--NULL");

}**else** **if**(!stockPO.getCode().equals("sh600216")){

*fail*("fail to pass getStockMes()");

}**else** **if**(!stockPO.getName().equals("浙江医药")){

*fail*("fail to pass getStockMes()");

}

}

@Test

**public** **void** getStockMes1() **throws** Exception {

MyDate **end** = MyTime.*getToDay*();

MyDate **start** = MyTime.*getAnotherDay*(-10);

List<StockPO> **stocks** = api.getStockMes("sh600216",start,end);

**if**(stocks==**null**){

*fail*("fail to pass getStockMes1()--NULL");

}**else** **if**(!stocks.get(0).getCode().equals("sh600216")){

*fail*("fail to pass getStockMes1()");

}**else** **if**(!stocks.get(0).getName().equals("浙江医药")){

*fail*("fail to pass getStockMes1()");

}**else** **if**(!stocks.get(0).getDate().equals("2016-03-21")){

*fail*("fail to pass getStockMes1()");

}

}

@Test

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

}

@Test

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

BenchMarkPO **benchMark** = api.getBenchMes("hs300");

**if**(benchMark==**null**){

*fail*("fail to pass getBenMes()--NULL");

}

**if**(!benchMark.getCode().equals("hs300")){

*fail*("fail to pass getBenchMes()");

}

}

@Test

**public** **void** getBenchMes1() **throws** Exception {

MyDate **endDate** = MyTime.*getToDay*();

MyDate **startDate** = MyTime.*getAnotherDay*(endDate,-10);

List<BenchMarkPO> **benchMarks** = api.getBenchMes("hs300",startDate,endDate);

**if**(benchMarks==**null**){

*fail*("fail to pass getBenMes1()--NULL");

}**else** **if**(!benchMarks.get(0).getCode().equals("hs300")){

*fail*("fail to pass getBenMes1()");

}

}

@Test

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

List<String> **markCodes** = api.getAllBenchMarks();

**if**(!markCodes.get(0).equals("hs300")){

*fail*("fail to pass getAllBenchMarks()");

}

}

@Test

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

List<BenchMarkPO> **pos** = api.getAllBenchMes();

**if**(pos==**null**){

*fail*("fail to pass getAllBenchMes()");

}

}

@Test

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

Iterator<StockPO> **it** = api.getOptionalStocks();

**if**(it==**null**){

*fail*("fail to pass getOptionalStocks()");

}

}

@Test

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

api.addOptionalStock("sh600000");

List<String> **codes** = api.getSelectedStockCodes();

**for**(String **code**:codes){

**if**(code.equals("sh600000")){

**return**;

}

}

*fail*("fail to pass addOptionalStock()");

}

@Test

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

api.addOptionalStock("sh600001");

List<String> **codes** = api.getSelectedStockCodes();

**if**(codes.size()>=1){

String **toDeleteString** = codes.get(codes.size()-1);

api.deleteOptionalStock(toDeleteString);

System.***out***.println("delete "+toDeleteString);

List<String> **newcodes** = api.getSelectedStockCodes();

**if**(newcodes.size()==codes.size()){

*fail*("fail to pass deleteOptionalStock()");

}

**for**(String **newcode**:newcodes){

**if**(newcode.equals(toDeleteString)){

*fail*("fail to pass deleteOptionalStock()");

}

}

}

}

@Test

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

api.clearOptionalStocks();

List<String> **newcodes** = api.getSelectedStockCodes();

// System.out.println(newcodes.get(0));

**if**(newcodes.size()>=1){

*fail*("fail to pass clearOptionalStock()");

}

}

}

**public** **class** StockBLImplTest {

**private** StockBLService bl;

**enum** testValue {};

@Before

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

bl = BusinessFactory.*getStockBLService*();

}

@Test

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

// test in other method

}

@Test

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

Iterator<StockVO> **vos** = bl.getSortStocks(**true** , Stock\_Attribute.***low***);

**double** **last** = Double.***MIN\_VALUE***;

last = vos.next().low;

**while**(vos.hasNext()){

**double** **temp** = vos.next().low;

**if**(temp < last){

*fail*("Can not pass the sort of low");

}**else**{

last = temp;

}

}

}

/\*\*

\* 本测试主要测试对600XXX的股票进行升序排序是否有问题

\* **@throws** Exception

\*/

@Test

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

Iterator<StockVO> **vos** = bl.getStocksByStockCode("600");

List<String> **vostr** = **new** ArrayList<>();

**while**(vos.hasNext()){

vostr.add(vos.next().code);

}

vos = bl.getSortStocksInScope(**true** , Stock\_Attribute.***high*** , vostr);

**double** **last** = Double.***MAX\_VALUE***;

last = vos.next().high;

**while**(vos.hasNext()){

**double** **temp** = vos.next().high;

**if**(temp > last){

*fail*("Can not pass the sort of high in given scope");

}**else**{

last = temp;

}

}

}

@Test

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

// not need to test

}

@Test

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

// not need to test

}

@Test

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

// not need to test

}

@Test

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

}

@Test

**public** **void** getDayOHLC\_Data() **throws** Exception {

Iterator<StockVO> **vos** = bl.getStocksByTime("sh600300", MyTime.*getAnotherDay*(-30), MyTime.*getAnotherDay*(0));

List<Double> **lows** = **new** ArrayList<Double>();

**while**(vos.hasNext()){

lows.add(vos.next().low);

}

List<OHLC\_VO> **tmp** = bl.getDayOHLC\_Data("sh600300", MyTime.*getAnotherDay*(-30), MyTime.*getAnotherDay*(0));

**for** (**int** **i** = 0; i < 15; i++) {

**if**(!lows.get(i).equals(tmp.get(i).low)){

*fail*("Fail to get OHLC\_DATA correctly.");

}

}

}

@Test

**public** **void** getWeekOHLC\_Data() **throws** Exception {

}

@Test

**public** **void** getMonthOHLC\_Data() **throws** Exception {

}

@Test

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

}

@Test

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

}

@Test

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

}

@Test

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

}