**Test Stock**

package com.example.stocktest2.test;

import org.junit.After;

import org.junit.Before;

import android.test.\*;

import com.example.stocktest2.ShareSet;

public class TestStock extends AndroidTestCase

{

ShareSet testStock;

@Before

public void setUp()

{

testStock = new ShareSet("TESCO", 122, "TSCO");

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*Time, Current, High, Low, Volume, Previous CLose, Change\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

testStock.setShareSet("10:15", 24.56, 27.8, 23.3, 2550, 22.2, "5.3%");

testStock.setShareHistory(23.35, 2678);

}

//@Test

public void test\_SharePrice()

{

double difference = 0;

assertEquals(24.56, testStock.getCurrentPrice(), difference);

}

//@Test

public void test\_ShareTotal()

{

double difference = 0.01;

double result = 2996.32;

testStock.calculateTotal();

double innerResult = testStock.getTotal();

assertEquals(result, innerResult , difference);

}

//@Test

public void test\_SharePreviousTotal()

{

double difference = 0.01;

double result = 2848.7;

testStock.setPreviousWeekTotal();

double innerResult = testStock.getPreviousTotal();

assertEquals(result, innerResult , difference);

}

//27.8

//@Test

public void test\_SmallHigh()

{

double smallHigh = 19.86;

testStock.setWeeklyHigh(smallHigh);

double weeklyHigh = testStock.getWeeklyHigh();

assertTrue(weeklyHigh != smallHigh);

}

//27.8

//@Test

public void test\_BigHigh()

{

double bigHigh = 29.92;

testStock.setWeeklyHigh(bigHigh);

double weeklyHigh = testStock.getWeeklyHigh();

assertTrue(weeklyHigh == bigHigh);

}

//23.3

//@Test

public void test\_SmallLow()

{

double smallLow = 21.93;

testStock.setWeeklyLow(smallLow);

double weeklyLow = testStock.getWeeklyLow();

assertTrue(weeklyLow == smallLow);

}

//23.3

//@Test

public void test\_BigLow()

{

double bigLow = 25.37;

testStock.setWeeklyLow(bigLow);

double weeklyLow = testStock.getWeeklyLow();

assertTrue(weeklyLow != bigLow);

}

//@Test

public void test\_InsufficientChange()

{

double difference = 0.01;

double result = 0;

double innerResult = testStock.getPlummetRocket();

assertEquals(result, innerResult , difference);

}

//@Test

public void test\_Plummet()

{

testStock.setChange("-23.4%");

double difference = 0.01;

double result = -23.4;

double innerResult = testStock.getPlummetRocket();

assertEquals(result, innerResult , difference);

}

//@Test

public void test\_Rocket()

{

testStock.setChange("15.6%");

double difference = 0.01;

double result = 15.6;

double innerResult = testStock.getPlummetRocket();

assertEquals(result, innerResult , difference);

}

@After

public void tearDown()

{

testStock = null;

System.gc();

}

}