**本次自动化测试范围：**

总计28个模块，具体模块如下所示：

**线程1：**订制订单、量体工单、量体数据、量体工单、会员信息

**线程2：**广告主题、BOM管理、颜色配置、颜色组配置、尺码配置、尺码组配置、商品档案、商品类别、量体项目、SKU设置

**线程3：**支付帐号信息、常数配置、默认快递、自定义快递、设备信息、人员信息（脚本较不稳定）、销售组织管理、角色信息、用户信息

**线程4：**线下促销（脚本不稳定）、线下促销关系、线上促销（脚本不稳定）、线上促销关系

**本次自动化遇到的问题及解决办法：**

**问题一：WindowsError: [Error 32]  是文件已经打开的错误** **（未解决）**

ft1.1: Traceback (most recent call last):

File "D:\ISS\Test\_Cases\thread2\test\_Measure\_WorkOrder.py", line 37, in setUp

self.driver=webdriver.Firefox()

File "D:\Python27\lib\site-packages\selenium\webdriver\firefox\webdriver.py", line 103, in \_\_init\_\_

self.binary, timeout)

File "D:\Python27\lib\site-packages\selenium\webdriver\firefox\extension\_connection.py", line 49, in \_\_init\_\_

self.profile.add\_extension()

File "D:\Python27\lib\site-packages\selenium\webdriver\firefox\firefox\_profile.py", line 91, in add\_extension

self.\_install\_extension(extension)

File "D:\Python27\lib\site-packages\selenium\webdriver\firefox\firefox\_profile.py", line 287, in \_install\_extension

shutil.rmtree(tmpdir)

File "D:\Python27\lib\shutil.py", line 247, in rmtree

rmtree(fullname, ignore\_errors, onerror)

File "D:\Python27\lib\shutil.py", line 252, in rmtree

onerror(os.remove, fullname, sys.exc\_info())

File "D:\Python27\lib\shutil.py", line 250, in rmtree

os.remove(fullname)

WindowsError: [Error 32] : 'c:\\users\\admini~1\\appdata\\local\\temp\\tmpb6jeyr.webdriver.xpi\\components\\nsICommandProcessor.xpt'

ft4.3: Traceback (most recent call last):

File "D:\ISS\Test\_Cases\thread1\test\_MemberInformation.py", line 25, in setUp

self.driver=webdriver.Firefox()

File "D:\Python27\lib\site-packages\selenium\webdriver\firefox\webdriver.py", line 77, in \_\_init\_\_

self.binary, timeout),

File "D:\Python27\lib\site-packages\selenium\webdriver\firefox\extension\_connection.py", line 47, in \_\_init\_\_

self.profile.add\_extension()

File "D:\Python27\lib\site-packages\selenium\webdriver\firefox\firefox\_profile.py", line 91, in add\_extension

self.\_install\_extension(extension)

File "D:\Python27\lib\site-packages\selenium\webdriver\firefox\firefox\_profile.py", line 286, in \_install\_extension

shutil.rmtree(tmpdir)

File "D:\Python27\lib\shutil.py", line 247, in rmtree

rmtree(fullname, ignore\_errors, onerror)

File "D:\Python27\lib\shutil.py", line 252, in rmtree

onerror(os.remove, fullname, sys.exc\_info())

File "D:\Python27\lib\shutil.py", line 250, in rmtree

os.remove(fullname)

WindowsError: [Error 32] : 'c:\\users\\zhenmi~1\\appdata\\local\\temp\\tmpsnje4i.webdriver.xpi\\components\\httpd.js'

ft1.6: Traceback (most recent call last):

File "D:\ISS\Test\_Cases\thread4\test\_OfflinePromotion.py", line 31, in setUp

self.driver=webdriver.Firefox()

File "D:\Python27\lib\site-packages\selenium\webdriver\firefox\webdriver.py", line 77, in \_\_init\_\_

self.binary, timeout),

File "D:\Python27\lib\site-packages\selenium\webdriver\firefox\extension\_connection.py", line 47, in \_\_init\_\_

self.profile.add\_extension()

File "D:\Python27\lib\site-packages\selenium\webdriver\firefox\firefox\_profile.py", line 91, in add\_extension

self.\_install\_extension(extension)

File "D:\Python27\lib\site-packages\selenium\webdriver\firefox\firefox\_profile.py", line 286, in \_install\_extension

shutil.rmtree(tmpdir)

File "D:\Python27\lib\shutil.py", line 247, in rmtree

rmtree(fullname, ignore\_errors, onerror)

File "D:\Python27\lib\shutil.py", line 247, in rmtree

rmtree(fullname, ignore\_errors, onerror)

File "D:\Python27\lib\shutil.py", line 247, in rmtree

rmtree(fullname, ignore\_errors, onerror)

File "D:\Python27\lib\shutil.py", line 252, in rmtree

onerror(os.remove, fullname, sys.exc\_info())

File "D:\Python27\lib\shutil.py", line 250, in rmtree

os.remove(fullname)

WindowsError: [Error 32]: 'c:\\users\\zhenmi~1\\appdata\\local\\temp\\tmpwxsq5t.webdriver.xpi\\platform\\WINNT\_x86-msvc\\components\\webdriver-firefox-latest.dll

网上的相关问题及解决方案：

  刚接触python，写了一段简单的代码，功能就是重命名一个文件，代码如下：  
list\_1=os.listdir(".")  
for files in list\_1:  
    f=open(files)  
    if f.name=="01.txt":  
        os.rename('01.txt','001.txt')  
    elif f.name=="05.txt":  
        os.rename("05.txt","005.txt")  
这么简单几行代码确报错了：  
Traceback (most recent call last):  
  File "E:\workspace\pytest01\src\filetest\RaedFileMethord.py", line 96, in <module>  
    os.rename('01.txt','001.txt')  
WindowsError: [Error 32]  
百思不得其解，搜下才知道，原来：  
**Error 32是文件已经打开的错误**，我忘记在改名前关闭文件了  
于是添加了两行代码，f.close(),简单  
list\_1=os.listdir(".")  
for files in list\_1:  
    f=open(files)  
    if f.name=="01.txt":  
        f.close()  
        os.rename('01.txt','001.txt')  
    elif f.name=="05.txt":  
        f.close()  
        os.rename("05.txt","005.txt")  
嘿，成功了，又执行了一遍，结果又报错了，  
Traceback (most recent call last):  
  File "E:\workspace\pytest01\src\filetest\RaedFileMethord.py", line 96, in <module>  
    os.rename('01.txt','001.txt')  
**WindowsError: [Error 183]**  
这个是**因为文件已经存在造成的**，重复执行的时候会报这个错误，删下文件，哈哈，没问题了

来源： <http://jining2593.blog.163.com/blog/static/2770148420101024114428257/>

**问题二：StaleElementReferenceException: Message: Element is no longer attached to the DOM（未解决）**

Traceback (most recent call last):

  File "D:\ISS\Test\_Cases\thread1\test\_Measure\_WorkOrder.py", line 422, in test\_4search\_By\_AppointmentStore

    self.clickButton(u"鏌ユ壘")

  File "D:\ISS\Test\_Cases\thread1\test\_Measure\_WorkOrder.py", line 63, in clickButton

    WebWait(driver,"#saleOrdMeasureHdAccordion  div.datagrid-mask-msg")

  File "D:\ISS\Test\_Cases\public\isspublic.py", line 37, in WebWait

    a=WebDriverWait(driver,waittime).until\_not(lambda x:x.find\_element\_by\_css\_selector(css).is\_displayed())

  File "C:\Python27\lib\site-packages\selenium\webdriver\support\wait.py", line 88, in until\_not

    value = method(self.\_driver)

  File "D:\ISS\Test\_Cases\public\isspublic.py", line 37, in <lambda>

    a=WebDriverWait(driver,waittime).until\_not(lambda x:x.find\_element\_by\_css\_selector(css).is\_displayed())

  File "C:\Python27\lib\site-packages\selenium\webdriver\remote\webelement.py", line 327, in is\_displayed

    return self.\_execute(Command.IS\_ELEMENT\_DISPLAYED)['value']

  File "C:\Python27\lib\site-packages\selenium\webdriver\remote\webelement.py", line 457, in \_execute

    return self.\_parent.execute(command, params)

  File "C:\Python27\lib\site-packages\selenium\webdriver\remote\webdriver.py", line 233, in execute

    self.error\_handler.check\_response(response)

  File "C:\Python27\lib\site-packages\selenium\webdriver\remote\errorhandler.py", line 194, in check\_response

    raise exception\_class(message, screen, stacktrace)

StaleElementReferenceException: Message: Element is no longer attached to the DOM

Stacktrace:

    at fxdriver.cache.getElementAt (resource://fxdriver/modules/web-element-cache.js:9457)

    at Utils.getElementAt (file:///c:/users/admini~1/appdata/local/temp/tmpbehejk/extensions/fxdriver@googlecode.com/components/command-processor.js:9039)

    at WebElement.isElementDisplayed (file:///c:/users/admini~1/appdata/local/temp/tmpbehejk/extensions/fxdriver@googlecode.com/components/command-processor.js:12189)

    at DelayedCommand.prototype.executeInternal\_/h (file:///c:/users/admini~1/appdata/local/temp/tmpbehejk/extensions/fxdriver@googlecode.com/components/command-processor.js:12661)

    at DelayedCommand.prototype.executeInternal\_ (file:///c:/users/admini~1/appdata/local/temp/tmpbehejk/extensions/fxdriver@googlecode.com/components/command-processor.js:12666)

    at DelayedCommand.prototype.execute/< (file:///c:/users/admini~1/appdata/local/temp/tmpbehejk/extensions/fxdriver@googlecode.com/components/command-processor.js:12608)

**问题三：error ：[Error 10060]** 网络的偶尔的不稳定导致

Traceback (most recent call last):

File "D:\ISS\Test\_Cases\thread2\test\_Measure\_WorkOrder.py", line 37, in setUp

self.driver=webdriver.Firefox()

File "D:\Python27\lib\site-packages\selenium\webdriver\firefox\webdriver.py", line 79, in \_\_init\_\_

keep\_alive=True)

File "D:\Python27\lib\site-packages\selenium\webdriver\remote\webdriver.py", line 87, in \_\_init\_\_

self.start\_session(desired\_capabilities, browser\_profile)

File "D:\Python27\lib\site-packages\selenium\webdriver\remote\webdriver.py", line 141, in start\_session

'desiredCapabilities': desired\_capabilities,

File "D:\Python27\lib\site-packages\selenium\webdriver\remote\webdriver.py", line 199, in execute

response = self.command\_executor.execute(driver\_command, params)

File "D:\Python27\lib\site-packages\selenium\webdriver\remote\remote\_connection.py", line 395, in execute

return self.\_request(command\_info[0], url, body=data)

File "D:\Python27\lib\site-packages\selenium\webdriver\remote\remote\_connection.py", line 425, in \_request

self.\_conn.request(method, parsed\_url.path, body, headers)

File "D:\Python27\lib\httplib.py", line 973, in request

self.\_send\_request(method, url, body, headers)

File "D:\Python27\lib\httplib.py", line 1007, in \_send\_request

self.endheaders(body)

File "D:\Python27\lib\httplib.py", line 969, in endheaders

self.\_send\_output(message\_body)

File "D:\Python27\lib\httplib.py", line 829, in \_send\_output

self.send(msg)

File "D:\Python27\lib\httplib.py", line 791, in send

self.connect()

File "D:\Python27\lib\httplib.py", line 772, in connect

self.timeout, self.source\_address)

File "D:\Python27\lib\socket.py", line 571, in create\_connection

raise err

error: [Errno 10060]

1.后来发现，程序本身是好的，但是是由于，网络的偶尔的不稳定，而导致了此错误的。

2.所以后来就想到，当发现网络遇到这类错误的时候，多试几次，应该就可以解决此问题了。

**问题四：UnicodeEncodeError: 'ascii' codec can't encode characters in position 0-15: ordinal not in range(128)或者UnicodeDecodeError: 'ascii' codec can't decode byte 0x?? in position 1: ordinal not in range(128)**

在python在安装时，默认的编码是ascii，当程序中出现非ascii编码时，python的处理常常会报这样的错，python没办法处理非ascii编码的，此时需要自己设置将python的默认编码，一般设置为utf8的编码格式。

查询系统默认编码可以在解释器中输入以下命令：

**Python代码  [收藏代码](http://blog.csdn.net/zuyi532/article/details/8851316)**

1. >>>sys.getdefaultencoding()

设置默认编码时使用：

**Python代码  [收藏代码](http://blog.csdn.net/zuyi532/article/details/8851316)**

1. >>>sys.setdefaultencoding('utf8')

 可能会报AttributeError: 'module' object has no attribute 'setdefaultencoding'的错误，执行reload(sys)，在执行以上命令就可以顺利通过。

此时在执行sys.getdefaultencoding()就会发现编码已经被设置为utf8的了，但是在解释器里修改的编码只能保证当次有效，在重启解释器后，会发现，编码又被重置为默认的ascii了，那么有没有办法一次性修改程序或系统的默认编码呢。

有2种方法设置python的默认编码：

一个解决的方案在程序中加入以下代码：

**Python代码  [收藏代码](http://blog.csdn.net/zuyi532/article/details/8851316)**

1. **import** sys
2. reload(sys)
3. sys.setdefaultencoding('utf8')

**另一个方案是在python的Lib\site-packages文件夹下新建一个sitecustomize.py，内容为：**

**Python代码  [收藏代码](http://blog.csdn.net/zuyi532/article/details/8851316)**

1. # encoding=utf8
2. **import** sys
4. reload(sys)
5. sys.setdefaultencoding('utf8')

此时重启python解释器，执行sys.getdefaultencoding()，发现编码已经被设置为utf8的了，多次重启之后，效果相同，**这是因为系统在python启动的时候，自行调用该文件，**设置系统的默认编码，而不需要每次都手动的加上解决代码，属于一劳永逸的解决方法。

另外有一种解决方案是在程序中所有涉及到编码的地方，强制编码为utf8，即添加代码encode("utf8")，这种方法并不推荐使用，因为一旦少写一个地方，将会导致大量的错误报告。

来源： <http://blog.csdn.net/zuyi532/article/details/8851316>

**问题五：WebDriverException: Message: Element is not clickable at point (239, 139)**

**有时候因为页面没加载完成或者Element的中心位置无法click（或者有其他东西覆盖在这个element上），导致click这个Element引发WebDriverException，error message说元素在某点上无法点击，其他元素会接受点击事件**

ft3.2: .Traceback (most recent call last):

File "D:\ISS\Test\_Cases\thread1\test\_Measure\_WorkOrder.py", line 293, in test\_1look\_WorkOrder

self.clickButton(u"ç¼è¾")

File "D:\ISS\Test\_Cases\thread1\test\_Measure\_WorkOrder.py", line 86, in clickButton

driver.find\_element\_by\_css\_selector("#saleOrdMeasureHdForm > div > a.easyui-linkbutton.saveButton > span > span").click()

File "C:\Python27\lib\site-packages\selenium\webdriver\remote\webelement.py", line 75, in click

self.\_execute(Command.CLICK\_ELEMENT)

File "C:\Python27\lib\site-packages\selenium\webdriver\remote\webelement.py", line 469, in \_execute

return self.\_parent.execute(command, params)

File "C:\Python27\lib\site-packages\selenium\webdriver\remote\webdriver.py", line 201, in execute

self.error\_handler.check\_response(response)

File "C:\Python27\lib\site-packages\selenium\webdriver\remote\errorhandler.py", line 193, in check\_response

raise exception\_class(message, screen, stacktrace)

WebDriverException: Message: Element is not clickable at point (239, 139). Other element would receive the click: <div class="datagrid-mask" style="display:block;top:29px"></div

**问题六：WebDriverException: Message: Can't load the profile**

原因：selenium的版本过低，不支持相应的Firefox的版本

ft1.1: Traceback (most recent call last):

File "D:\ISS\Test\_Cases\thread4\test\_OfflinePromotion.py", line 31, in setUp

self.driver=webdriver.Firefox()

File "C:\Python27\lib\site-packages\selenium\webdriver\firefox\webdriver.py", line 78, in \_\_init\_\_

self.binary, timeout)

File "C:\Python27\lib\site-packages\selenium\webdriver\firefox\extension\_connection.py", line 49, in \_\_init\_\_

self.binary.launch\_browser(self.profile)

File "C:\Python27\lib\site-packages\selenium\webdriver\firefox\firefox\_binary.py", line 68, in launch\_browser

self.\_wait\_until\_connectable()

File "C:\Python27\lib\site-packages\selenium\webdriver\firefox\firefox\_binary.py", line 106, in \_wait\_until\_connectable

% (self.profile.path))

WebDriverException: Message: Can't load the profile. Profile Dir: c:\users\hello\appdata\local\temp\tmpi9yvwq If you specified a log\_file

解决方案：更新selenium，Selenium在最新版本中修好了这个问题。运行CMD，然后输入

pip install -U selenium