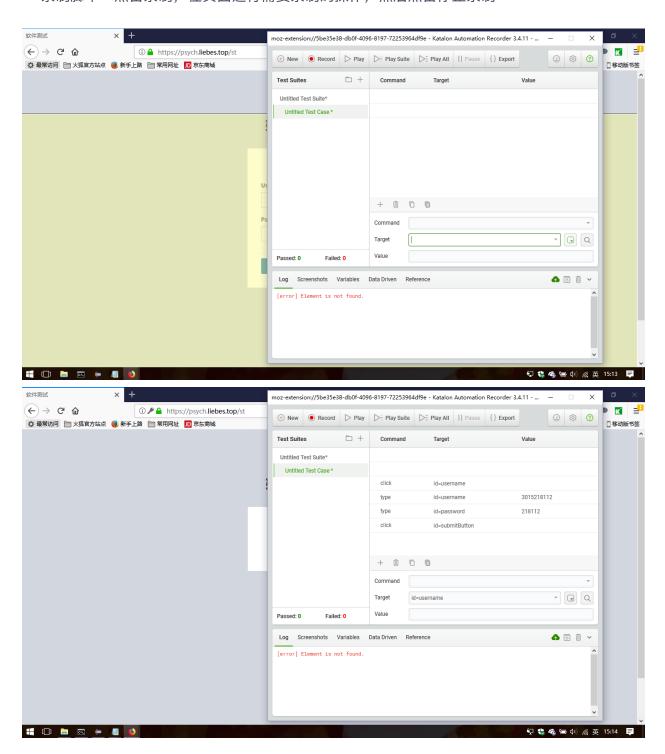
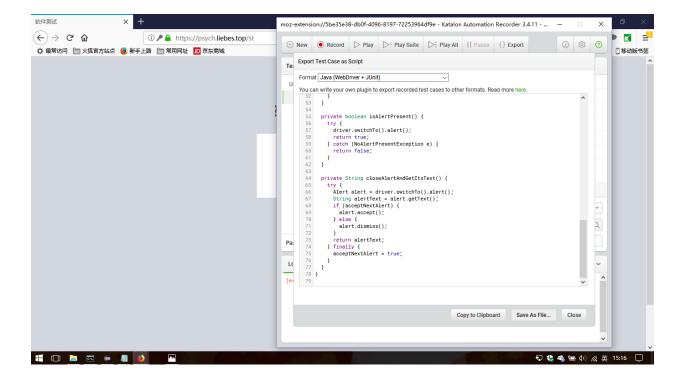
- 1、安装 Selenium IDE 插件 选择菜单 - 附加组件 - 插件, 搜索 Selenium IDE 并安装
- 2、使用 Selenium IDE 录制脚本与导出脚本 录制脚本:点击录制,在页面进行需要录制的操作,然后点击停止录制



导出脚本:点击导出,选择目标语言,然后选择保存为文件



导出文件如下:

```
package com.example.tests;
```

```
import java.util.regex.Pattern;
import java.util.concurrent.TimeUnit;
import org.junit.*;
import static org.junit.Assert.*;
import static org.hamcrest.CoreMatchers.*;
import org.openga.selenium.*;
import org.openga.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.support.ui.Select;
public class UntitledTestCase {
 private WebDriver driver;
 private String baseUrl;
 private boolean acceptNextAlert = true;
 private StringBuffer verificationErrors = new StringBuffer();
 @Before
 public void setUp() throws Exception {
  driver = new FirefoxDriver();
  baseUrl = "https://www.katalon.com/";
  driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);
 }
 @Test
 public void testUntitledTestCase() throws Exception {
  // ERROR: Caught exception [unknown command []]
  // ERROR: Caught exception [unknown command []]
  driver.findElement(By.id("username")).click();
```

```
driver.findElement(By.id("username")).clear();
  driver.findElement(By.id("username")).sendKeys("");//username
  driver.findElement(By.id("password")).clear();
  driver.findElement(By.id("password")).sendKeys("");//password
  driver.findElement(By.id("submitButton")).click();
 }
 @After
 public void tearDown() throws Exception {
  driver.quit();
  String verificationErrorString = verificationErrors.toString();
  if (!"".equals(verificationErrorString)) {
   fail(verificationErrorString);
  }
 }
 private boolean isElementPresent(By by) {
    driver.findElement(by);
    return true;
  } catch (NoSuchElementException e) {
    return false;
  }
 }
 private boolean isAlertPresent() {
  try {
    driver.switchTo().alert();
    return true;
  } catch (NoAlertPresentException e) {
    return false;
  }
 }
 private String closeAlertAndGetItsText() {
  try {
    Alert alert = driver.switchTo().alert();
    String alertText = alert.getText();
    if (acceptNextAlert) {
     alert.accept();
   } else {
     alert.dismiss();
    return alertText;
  } finally {
    acceptNextAlert = true;
 }
}
```

3、编写 Selenium Java WebDriver 程序,测试用户信息是否对应正确

测试环境为 Windows 10 Pro (32-bit)与 Internet Explorer 11。测试策略为: 判断删去空白符的输入地址是否与网站提供的地址一致。

```
使用如下代码进行测试:
import jxl.Sheet;
import jxl.Workbook;
import org.openga.selenium.By;
import org.openga.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openga.selenium.ie.InternetExplorerDriver;
import org.openga.selenium.remote.DesiredCapabilities;
import org.junit.*;
import org.junit.runner.RunWith;
import org.junit.runners.Parameterized;
import org.junit.runners.Parameterized.*;
import java.io.File;
import java.util.Collection;
import java.util.List;
import java.util.ArrayList;
import static junit.framework.Assert.assertTrue;
class User {
  private String username;
  private String url;
  public User(String username, String url) {
    this.username=username;
    this.url=url;
  }
  public String getUsername() {return username;}
  public String getPassword() {return username.substring(4);}
  public String getUrl() {return url;}
  @Override
  public String toString() {
     return username +
         ' ' +
          url;
  }
```

```
@RunWith(Parameterized.class)
public class Test {
  private static List<User> information;
  private static WebDriver driver;
  private static boolean isInvalid(String obj) {
     if (obj==null) return true;
    if ("".equals(obj.trim())) return true;
    return false;
  }
  private static boolean check(String ori, String obj) {
     if (ori==null || obj==null) return false;
     String x=ori.trim();
     String y=obj.trim();
    if (x.equals(y)) return true;
     return false;
  }
  public static List<User> readFile(String path) {
     List<User> re=new ArrayList<>();
    try {
       Workbook workbook=Workbook.getWorkbook(new File(path));
       Sheet sheet=workbook.getSheet(0);
       for (int i=0; i<sheet.getRows(); ++i) {
          String id=sheet.getCell(0,i).getContents();
          String url=sheet.getCell(1,i).getContents();
          re.add(new User(id,url));
       workbook.close();
    } catch (Exception e) {
       e.printStackTrace();
    return re;
  }
  private String username;
  private String password;
  private String url;
  public Test(String username, String password, String expected) {
     this.username=username;
    this.password=password;
    this.url=expected;
  }
```

```
@BeforeClass
  public static void init() {
    String driver_path = System.getProperty("user.dir")+"/IEDriverServer.exe";
    System.setProperty("webdriver.ie.driver", driver_path);
    DesiredCapabilities ieCapabilities = DesiredCapabilities.internetExplorer();
ieCapabilities.setCapability(InternetExplorerDriver.INTRODUCE_FLAKINESS_BY_IGNORING_SEC
URITY_DOMAINS, true);
    driver = new InternetExplorerDriver(ieCapabilities);
    //driver.manage().timeouts().implicitlyWait(15000, TimeUnit.MILLISECONDS);
  }
  @org.junit.Test
  public void setUp() {
    driver.get("https://psych.liebes.top/st");
    WebElement username_element=driver.findElement(By.id("username"));
    WebElement password element=driver.findElement(By.id("password"));
    WebElement submit=driver.findElement(By.id("submitButton"));
    assertTrue(!isInvalid(url));
    username_element.sendKeys(username);
    password element.sendKeys(password);
    submit.click();
    try {
       Thread.sleep(1000);
    } catch (InterruptedException e) {}
    assertTrue(username,check(driver.findElement(By.xpath("//p[@class='login-box-
msg']")).getText(),url));
  }
  @AfterClass
  public static void cleanup() {
    driver.close();
  }
  @Parameters
  public static Collection<Object[]> provide() {
     information=readFile(System.getProperty("user.dir")+"/input.xls");
    Collection<Object[]> re=new ArrayList<>();
    for (User x : information) {
       re.add(new Object[]{x.getUsername(),x.getPassword(),x.getUrl()});
    }
    return re;
  }
```

}

测试结果如下:

