**import** java.util.List;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.firefox.FirefoxDriver;

**import** org.openqa.selenium.support.ui.ExpectedConditions;

**import** org.openqa.selenium.support.ui.Select;

**import** org.openqa.selenium.support.ui.WebDriverWait;

**public** **class** CRUD\_tag {

**public** **static** **void** main(String[] args) **throws** Exception {

WebDriver driver1 =**new** FirefoxDriver();

/\*LOGIN into the application\*/

driver1.get("https://alphasecure.interfolio.com/");

CharSequence[] username = {"charlie.receiverinst"};

CharSequence[] password = {"abc123456"};

driver1.findElement(By.*id*("username")).sendKeys(username);

driver1.findElement(By.*id*("password-login")).sendKeys(password);

driver1.findElement(By.*xpath*("//div/div/div[1]/form[1]/fieldset/div[3]/input")).click();

/\*LOGIN into the test window\*/

driver1.navigate().to("https://intf:intfbyc@byc-test.interfolio.com/");

//Navigate to bigwig position

WebDriverWait wait1 = **new** WebDriverWait(driver1, 60);

wait1.until(ExpectedConditions.*presenceOfElementLocated*(By.*linkText*("Bigwig")));

driver1.findElement(By.*linkText*("Bigwig")).click();

Thread.*sleep*(8000);

/\*------------------------------------------------Add label--------------------------------------\*/

//Click Add

WebDriverWait wait11 = **new** WebDriverWait(driver1, 60);

wait11.until(ExpectedConditions.*presenceOfElementLocated*(By.*xpath*("//tbody[@id='template-content']/tr[1]/td[5]/a")));

driver1.findElement(By.*xpath*("//tbody[@id='template-content']/tr[1]/td[5]/a")).click();

Thread.*sleep*(5000);

//click new label

driver1.findElement(By.*xpath*("//tbody[@id='template-content']//td[5]/div[1]/div[2]/div/p/a[1]")).click();

Thread.*sleep*(5000);

String Label="aatest";

driver1.findElement(By.*xpath*("//tbody[@id='template-content']//td[5]/div[1]/div[2]/div/p/p[2]/input")).sendKeys(Label);

driver1.findElement(By.*xpath*("//tbody[@id='template-content']//td[5]/div[1]/div[2]/div/p/a[2]")).click();

Thread.*sleep*(8000);

driver1.navigate().refresh();

Thread.*sleep*(8000);

/\*------------------------------------verify label-----------------------------------------------\*/

//filter list

WebDriverWait wait2 = **new** WebDriverWait(driver1, 60);

wait2.until(ExpectedConditions.*presenceOfElementLocated*(By.*xpath*("//div[@id='page-content']/section/div[3]/div[1]/a[@class='dropdown']")));

driver1.findElement(By.*xpath*("//div[@id='page-content']/section/div[3]/div[1]/a[@class='dropdown']")).click();

Thread.*sleep*(5000);

WebElement list=driver1.findElement(By.*xpath*("//div[@id='page-content']/section/div[3]/div[1]/ul[@class='dropdown-menu label-list status-dropdown']"));

List<WebElement> filterList=list.findElements(By.*xpath*("//div[@id='page-content']/section/div[3]/div[1]/ul/li[@class='removable-list-item']/a[1]"));

**int** count=filterList.size();

**for**(**int** i=0;i<count;i++)

{

String labels=filterList.get(i).getText();

**if**(Label.equals(labels))

{

System.*out*.println("label added in filter list");

**break**;

}

}

driver1.findElement(By.*xpath*("//div[@id='page-content']/section/div[3]/div[1]/a[@class='dropdown']")).click();

Thread.*sleep*(5000);

//label list

driver1.findElement(By.*xpath*("//tbody[@id='template-content']/tr[1]/td[5]/a")).click();

Thread.*sleep*(5000);

driver1.findElement(By.*className*("label-select")).click();

Select labelList= **new** Select(driver1.findElement(By.*className*("label-select")));

**for**(**int** i=0;i<count;i++)

{

String labels=labelList.getOptions().get(i).getText();

**if**(Label.equals(labels))

{

System.*out*.println("label added in labels list");

**break**;

}

}

driver1.navigate().refresh();

Thread.*sleep*(8000);

//Application level verification

WebDriverWait wait3 = **new** WebDriverWait(driver1, 60);

wait3.until(ExpectedConditions.*presenceOfElementLocated*(By.*xpath*("//tbody[@id='template-content']/tr[1]/td[2]/a")));

driver1.findElement(By.*xpath*("//tbody[@id='template-content']/tr[1]/td[2]/a")).click();

Thread.*sleep*(8000);

List<WebElement> AppLabel=driver1.findElements(By.*xpath*("//div[@id='page-content']/header/div[1]/span"));

**for**(**int** i=0;i<count;i++)

{

String labels=AppLabel.get(i).getText();

String label=labels.replace("×","");

String label1=label.replace(" ","");

**if**(Label.equals(label1))

{

System.*out*.println("label added in application list");

**break**;

}

}

driver1.navigate().back();

Thread.*sleep*(8000);

//add label to another application

WebDriverWait wait111 = **new** WebDriverWait(driver1, 60);

wait111.until(ExpectedConditions.*presenceOfElementLocated*(By.*xpath*("//tbody[@id='template-content']/tr[2]/td[5]/a")));

driver1.findElement(By.*xpath*("//tbody[@id='template-content']/tr[2]/td[5]/a")).click();

Thread.*sleep*(5000);

Select labelList1= **new** Select(driver1.findElement(By.*xpath*("//tbody[@id='template-content']/tr[2]/td[5]/div[1]/div[2]/div/p/p[1]/select")));

labelList1.selectByVisibleText(Label);

driver1.findElement(By.*xpath*("//tbody[@id='template-content']/tr[2]/td[5]/div[1]/div[2]/div/p/a[2]")).click();

Thread.*sleep*(8000);

driver1.navigate().refresh();

Thread.*sleep*(8000);

//delete label from application

driver1.findElement(By.*xpath*("//tbody[@id='template-content']/tr[2]/td[5]/span/a")).click();

Thread.*sleep*(8000);

//delete label from filter list

WebDriverWait wait4 = **new** WebDriverWait(driver1, 60);

wait4.until(ExpectedConditions.*presenceOfElementLocated*(By.*xpath*("//div[@id='page-content']/section/div[3]/div[1]/a[@class='dropdown']")));

driver1.findElement(By.*xpath*("//div[@id='page-content']/section/div[3]/div[1]/a[@class='dropdown']")).click();

Thread.*sleep*(5000);

driver1.findElement(By.*xpath*("//div[@id='page-content']/section/div[3]/div[1]/ul//a[2]")).click();

driver1.switchTo().alert().accept();

System.*out*.println("Label deleted");

driver1.quit();

}

}