



**A Project Report On**

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**AUTOMATION TESTING ON A WEBSITE**

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**By**

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**Batch: (2022)**

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## **INTRODUCTION**

This Project aims to do overall testing like functional testing, GUI testing on website to check quality of application. It helps to improve quality of website and saves time for manually doing this testing. In this project our main focus is to check functionalities available on website. Also, it includes title check and all links count with their working status.

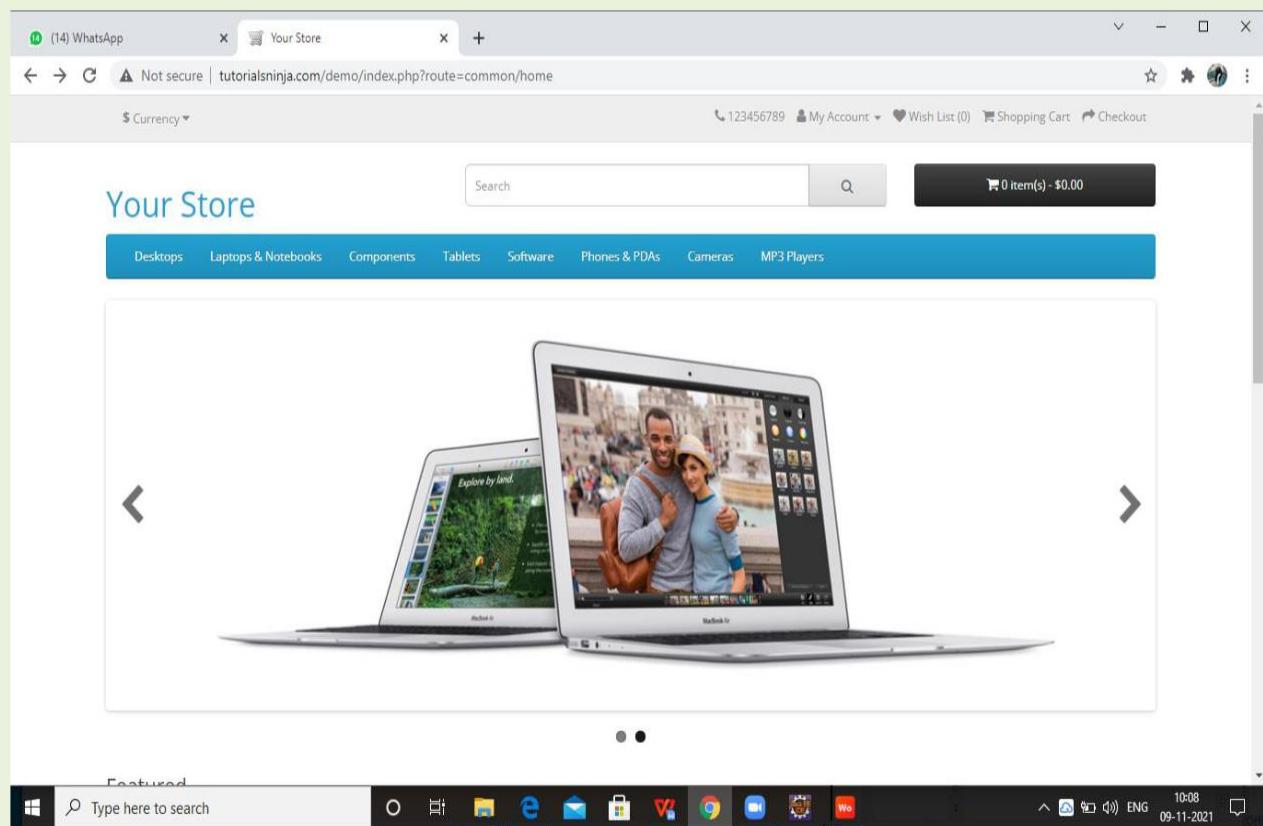
## **SOFTWARE REQUIREMENTS**

- Operating System: Windows 11
- Browser: Latest version of Chrome
- IDE: Eclipse IDE
- Automation Tool: Selenium WebDriver
- Front-end: Java

## TC01 – TO LAUNCH BROWSER AND OPEN URL

```
System.setProperty("webdriver.chrome.driver",
"D:\selenium jar\chromedriver.exe");
```

```
WebDriver w=new ChromeDriver();
w.get("http://tutorialsninja.com/demo/index.php?
route=common/home");
w.manage().window().maximize();
```



## TC02 – REGISTRATION AND LOGIN FOR YOUR STORE DEMO WEBSITE

REGISTRATION :-

```
w.findElement(By.xpath("//*[@id=\"top-links\"]/ul/li[2]/a")).click();
w.findElement(By.linkText("Register")).click();
w.findElement(By.name("firstname")).sendKeys("ramit");
w.findElement(By.name("lastname")).sendKeys("mishra");
w.findElement(By.name("email")).sendKeys("mishraramit@gmail.com");
w.findElement(By.name("telephone")).sendKeys("9348988042");
w.findElement(By.name("password")).sendKeys("123456");
w.findElement(By.name("confirm")).sendKeys("123456");

w.findElement(By.name("newsletter")).click();
w.findElement(By.name("agree")).click();

w.findElement(By.xpath("//*[@id=\"content\"]/form/div/div/input[2]")).click();
w.findElement(By.xpath("//*[@id=\"content\"]/div/div/a")).click();
```

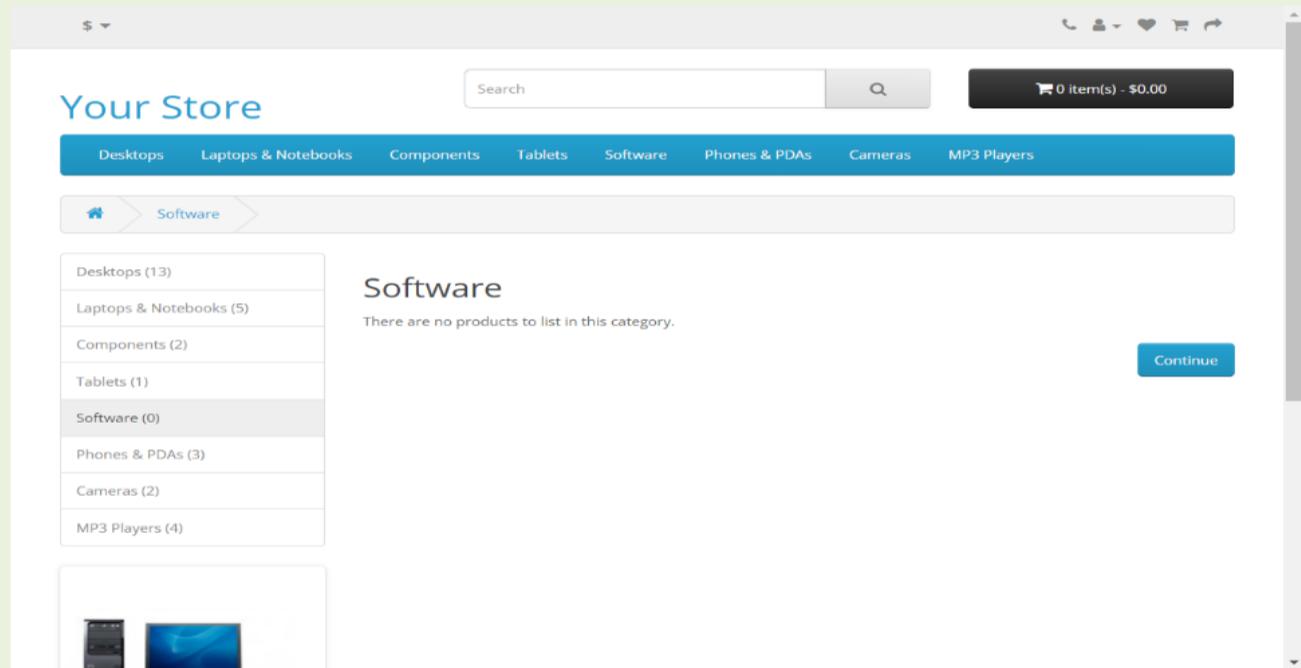
LOGIN:-

```
w.findElement(By.xpath("//*[@id=\"top-links\"]/ul/li[2]/a")).click();
w.findElement(By.linkText("Login")).click();

w.findElement(By.name("email")).sendKeys("mishraramit@gmail.com");
w.findElement(By.name("password")).sendKeys("123456");
w.findElement(By.xpath("//*[@id=\"content\"]/div/div[2]/div/form/input")).click();
```

## TC03- TO CHECK SOFTWARE FUNCTIONALITY OF WEBSITE

```
w.findElement(By.linkText("Software")).click();
TakesScreenshot t=(TakesScreenshot) w;
File src=t.getScreenshotAs(OutputType.FILE);
Files.copy(src, new File("C:\\\\Users\\\\RAMIT\\\\Desktop\\\\s2.png"));
```



## TC04- TO CHECK PHONE & PDAs FUNCTIONALITY OF WEBSITE

```
w.findElement(By.linkText("Phones & PDAs")).click();
w.findElement(By.id("list-view")).click();
w.findElement(By.id("grid-view")).click();

Select s= new Select(w.findElement(By.id("input-sort")));

s.selectByValue("http://tutorialsninja.com/demo/index.php?route=product/category&path=24&sort=p.priceℴ=DESC");

w.findElement(By.xpath("//*[@id=\"content\"]//div[2]/div[1]/div/div[2]/div[2]/button[2]")).click();
```

## TC05- WISHLIST FUNCTIONALITY

```
w.findElement(By.xpath("//*[@id=\"wishlist-total\"]")).click();
```

## TC06- TO CHECK CAMERA FUNCTIONALITY OF SOFTWARE

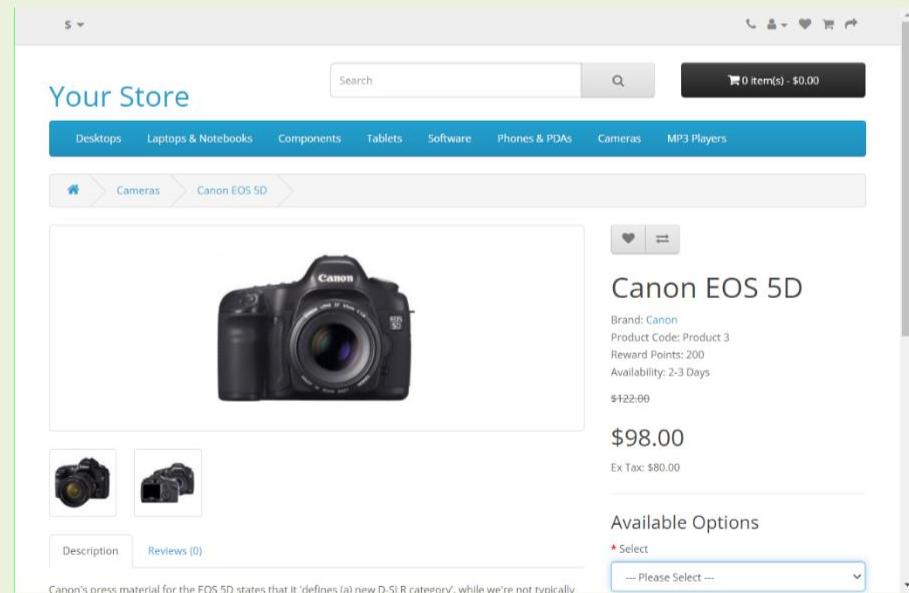
```
w.findElement(By.linkText("Cameras")).click();

w.findElement(By.xpath("//*[@id=\"content\"]//div[2]/div[1]/div/div[1]/a/img")).click();

w.findElement(By.xpath("//*[@id=\"content\"]//div/div[2]/div[1]/button[2]")).click();
w.navigate().back();
w.findElement(By.linkText("Product Compare (0)")).click();

Select s=new Select(w.findElement(By.id("input-option226")));

TakesScreenshot t=(TakesScreenshot) w;
File src=t.getScreenshotAs(OutputType.FILE);
Files.copy(src, new File("C:\\\\Users\\\\RAMIT\\\\Desktop\\\\s.png"));
```



## TC07- TO CHECK MX PLAYER FUNCTIONALITY OF WEBSITE

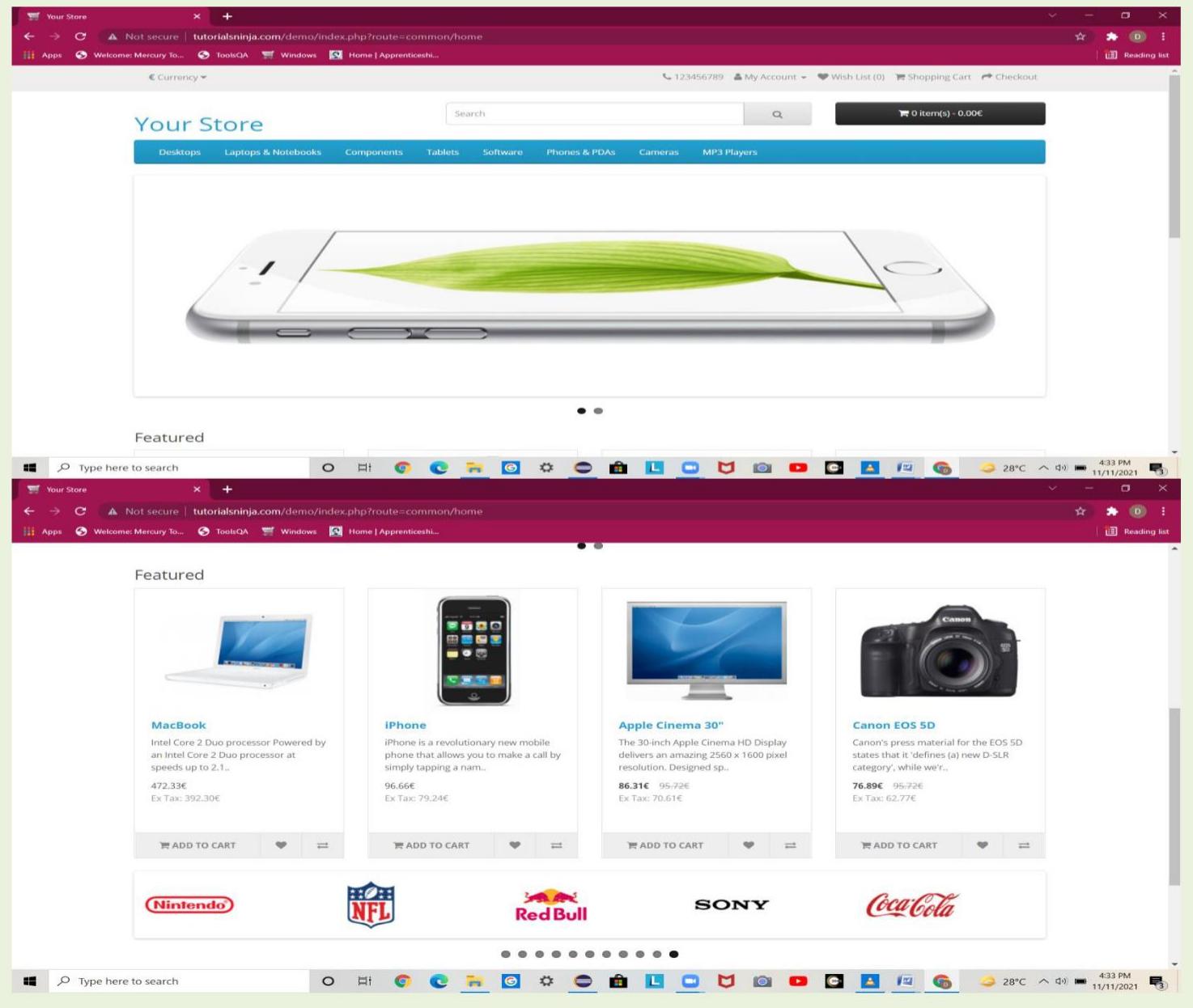
```
Actions a =new Actions(w);
a.moveToElement(w.findElement(By.LinkText("MP3 Players"))).build().perform();
w.manage().timeouts().implicitlyWait(5, TimeUnit.SECONDS);
w.findElement(By.LinkText("test 24 (0)").click();
```

## TC08:- TO CHECK CURRENCY FUNCTIONALITY FOR

### EURO CURRENCY:-

```
System.setProperty("webdriver.chrome.driver",
"C:\\\\Users\\\\RANJAN\\\\Desktop\\\\SELENIUM\\\\chromedriver.exe";
WebDriver w=new ChromeDriver();
w.get("http://tutorialsninja.com/demo");
w.manage().window().maximize();

//EUR OPTION:-
w.findElement(By.xpath("//*[@id=\"form-currency\"]//div/button")).click();
w.findElement(By.name("EUR")).click();
```



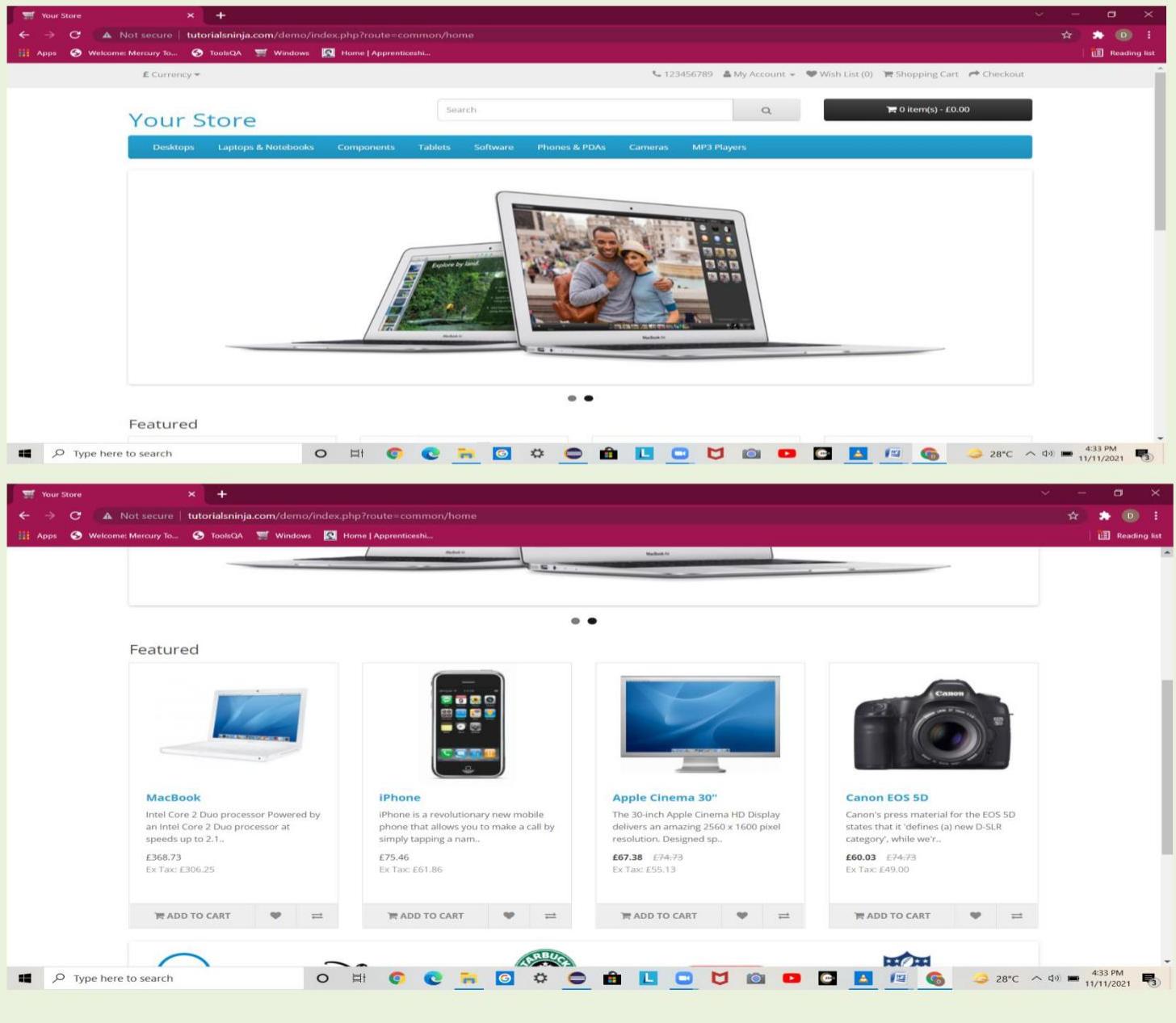
## TC9:-- TO CHECK FUNCTIONALITY OF CURRENCY BUTTON

### FOR POUND STERLING CURRENCY:-

```
System.setProperty("webdriver.chrome.driver",
"C:\\\\Users\\\\RANJAN\\\\Desktop\\\\SELENIUM\\\\chromedriver.exe";
WebDriver w=new ChromeDriver();
w.get("http://tutorialsninja.com/demo");
w.manage().window().maximize();
```

### //POUND STERLING OPTION:-

```
Select s1=new Select(w.findElement(By.name("GBP")));
s1.selectByVisibleText("£ Pound Sterling");
```



The screenshots show the 'Your Store' website on a Windows operating system. The top screenshot displays a large image of two laptops (MacBook Air) side-by-side. Below the image is a search bar with the placeholder 'Search'. The bottom screenshot shows a grid of featured products:

- MacBook**: Intel Core 2 Duo processor Powered by an Intel Core 2 Duo processor at speeds up to 2.1..  
£368.73  
Ex Tax: £306.25
- iPhone**: iPhone is a revolutionary new mobile phone that allows you to make a call by simply tapping a name.  
£75.46  
Ex Tax: £61.86
- Apple Cinema 30"**: The 30-inch Apple Cinema HD Display delivers an amazing 2560 x 1600 pixel resolution. Designed sp.  
£67.38  
Ex Tax: £55.13
- Canon EOS 5D**: Canon's press material for the EOS 5D states that it 'defines (a) new D-SLR category', while we're...  
£60.03  
Ex Tax: £49.00

## TC10:--- TO CHECK CURRENCY FUNCTIONALITY

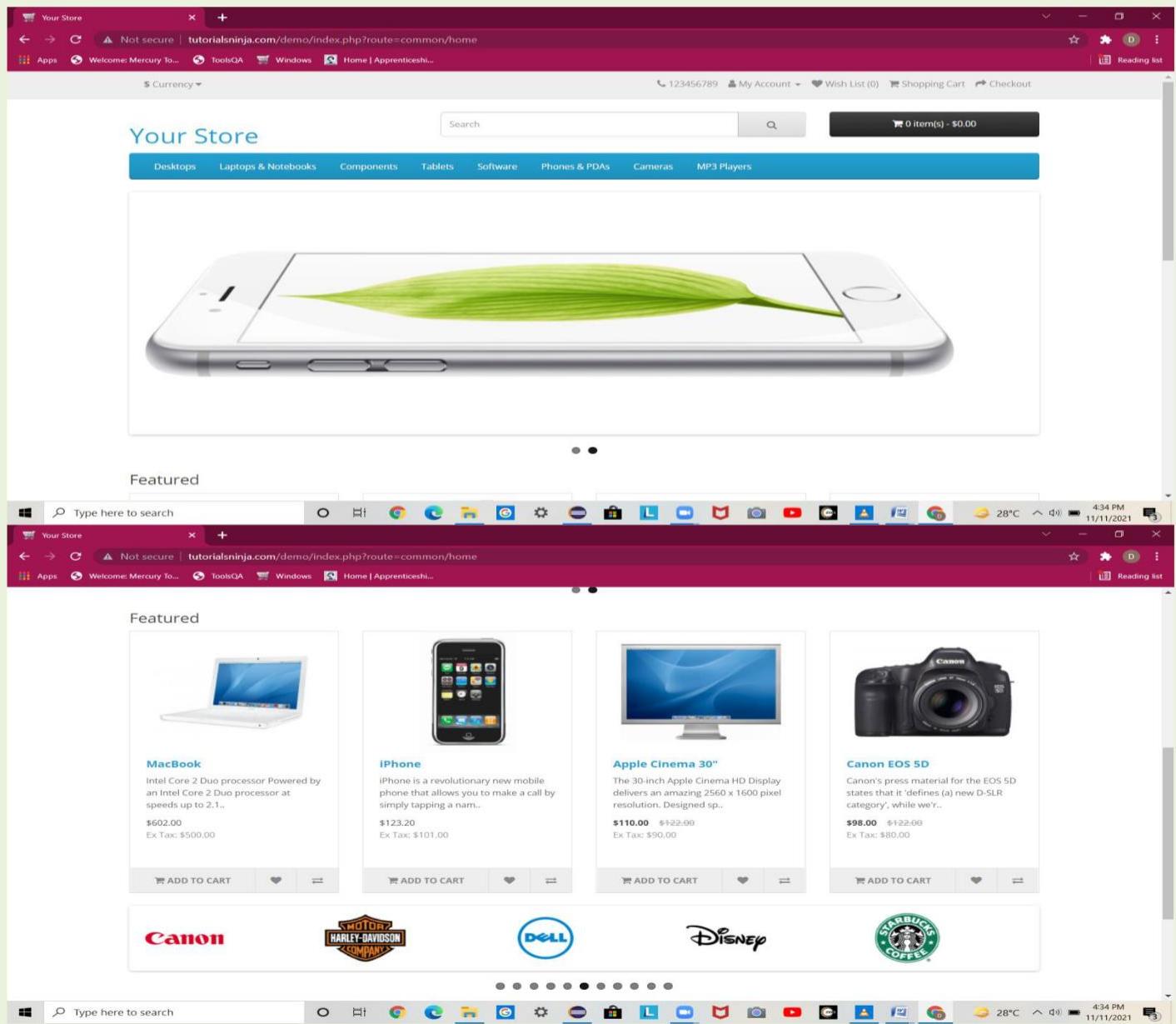
### WITH US DOLLAR CURRENCY:-

```
System.setProperty("webdriver.chrome.driver",
"C:\\\\Users\\\\RANJAN\\\\Desktop\\\\SELENIUM\\\\chromedriver.exe";
WebDriver w=new ChromeDriver();
w.get("http://tutorialsninja.com/demo");

w.manage().window().maximize();
```

#### //DOLLAR OPTION:-

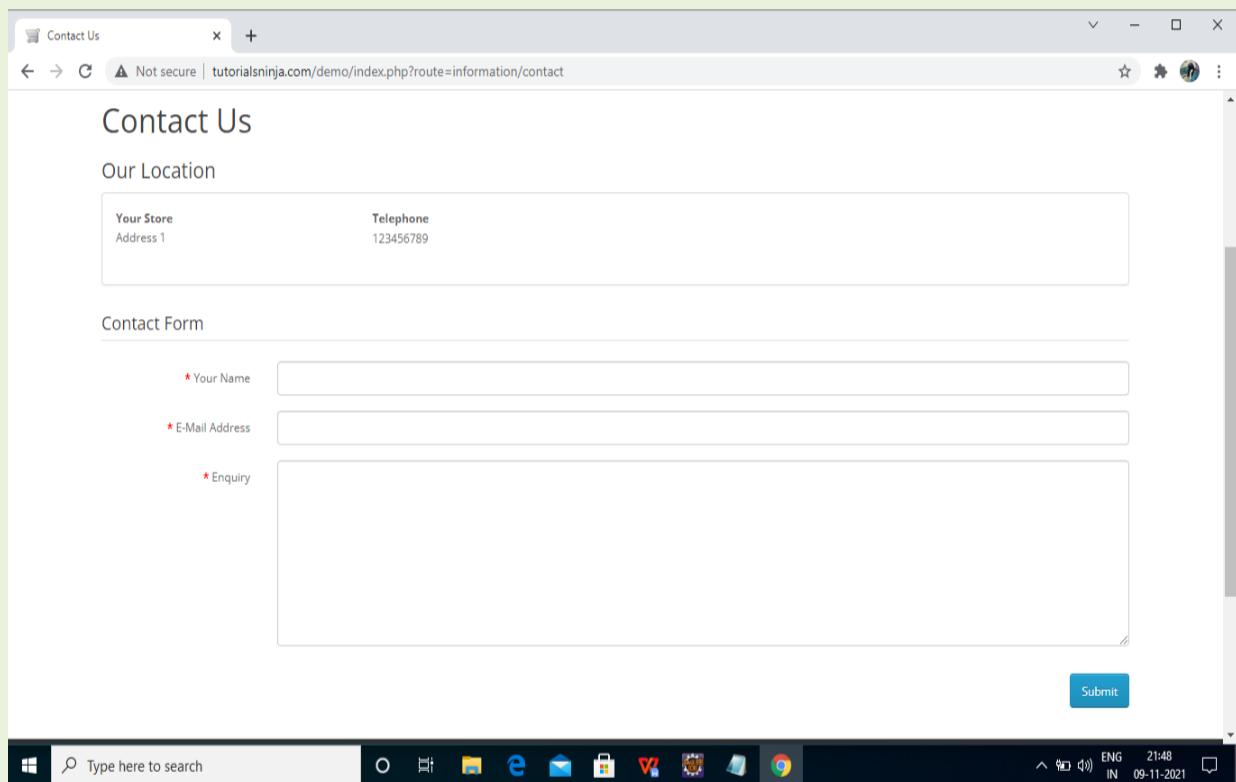
```
Select s2=new Select(w.findElement(By.name("USD")));
s2.selectByVisibleText("$ US Dollar");
```



## TC11:- TO CHECK FUNCTIONALITY OF CONTACT US BUTTON OF HOME PAGE

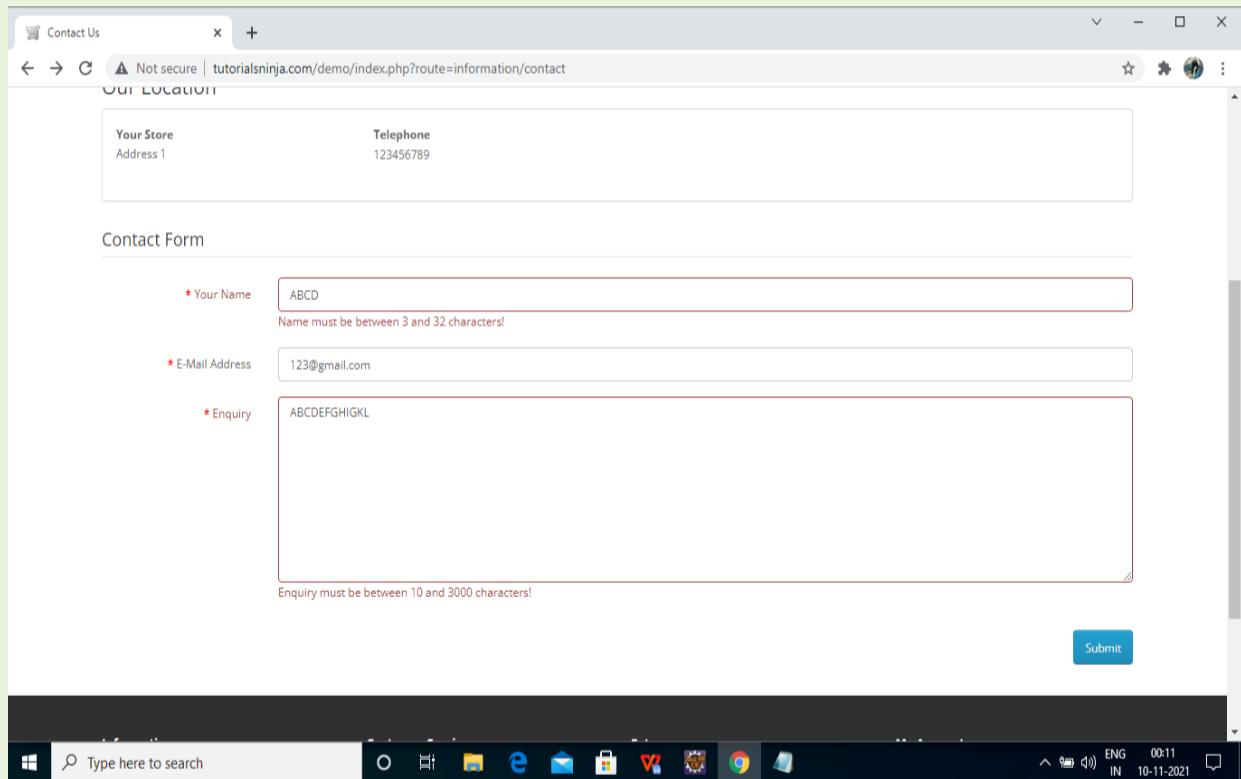
```
w.findElement(By.xpath("//*[@id='top-links']/ul/li[1]").click();
```

```
Thread.sleep(2000)
```



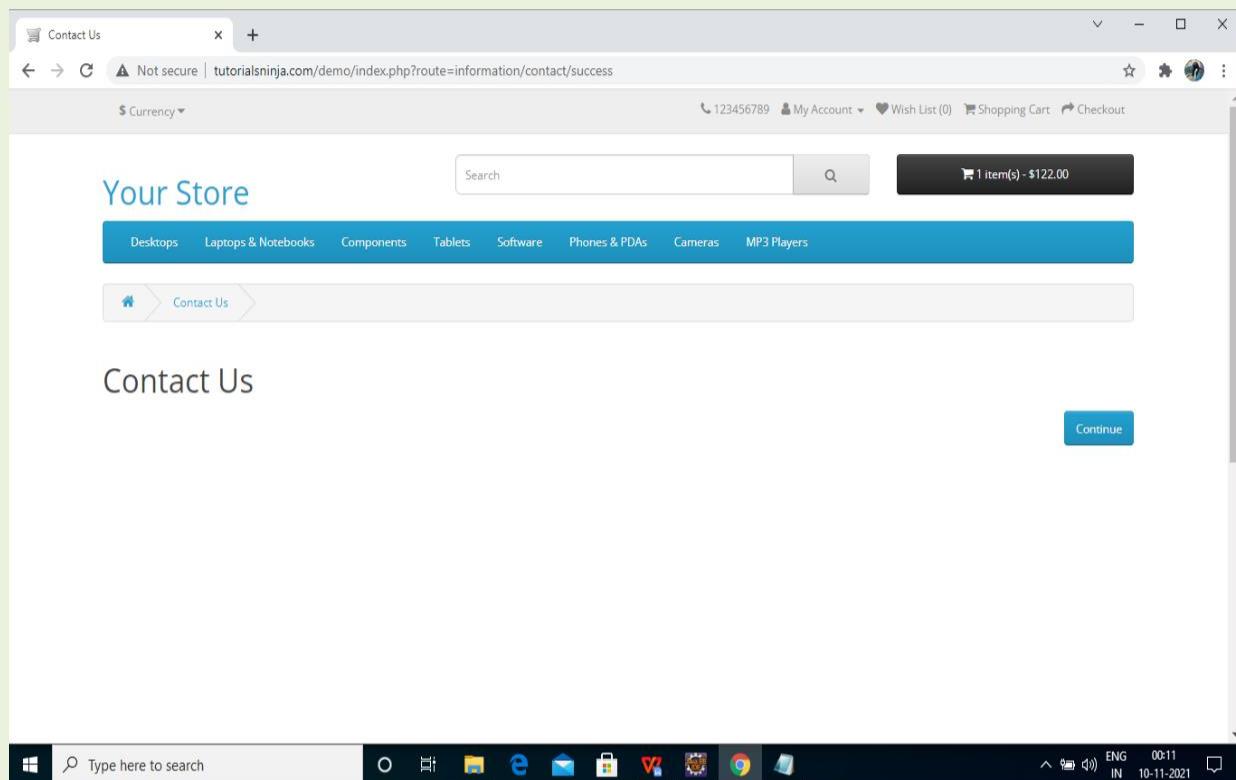
## TC12- TO CHECK FUNCTIONALITY OF SUBMIT BUTTON OF CONTACT PAGE

```
w.findElement(By.id("input-name")).sendKeys("abc");
w.findElement(By.id("input-email")).sendKeys("abc@gmail.com");
w.findElement(By.id("input-enquiry")).sendKeys("abcdef123456");
w.findElement(By.xpath("//*[@id='content']/form/div/div/input")).click();
Thread.sleep(2000);
```



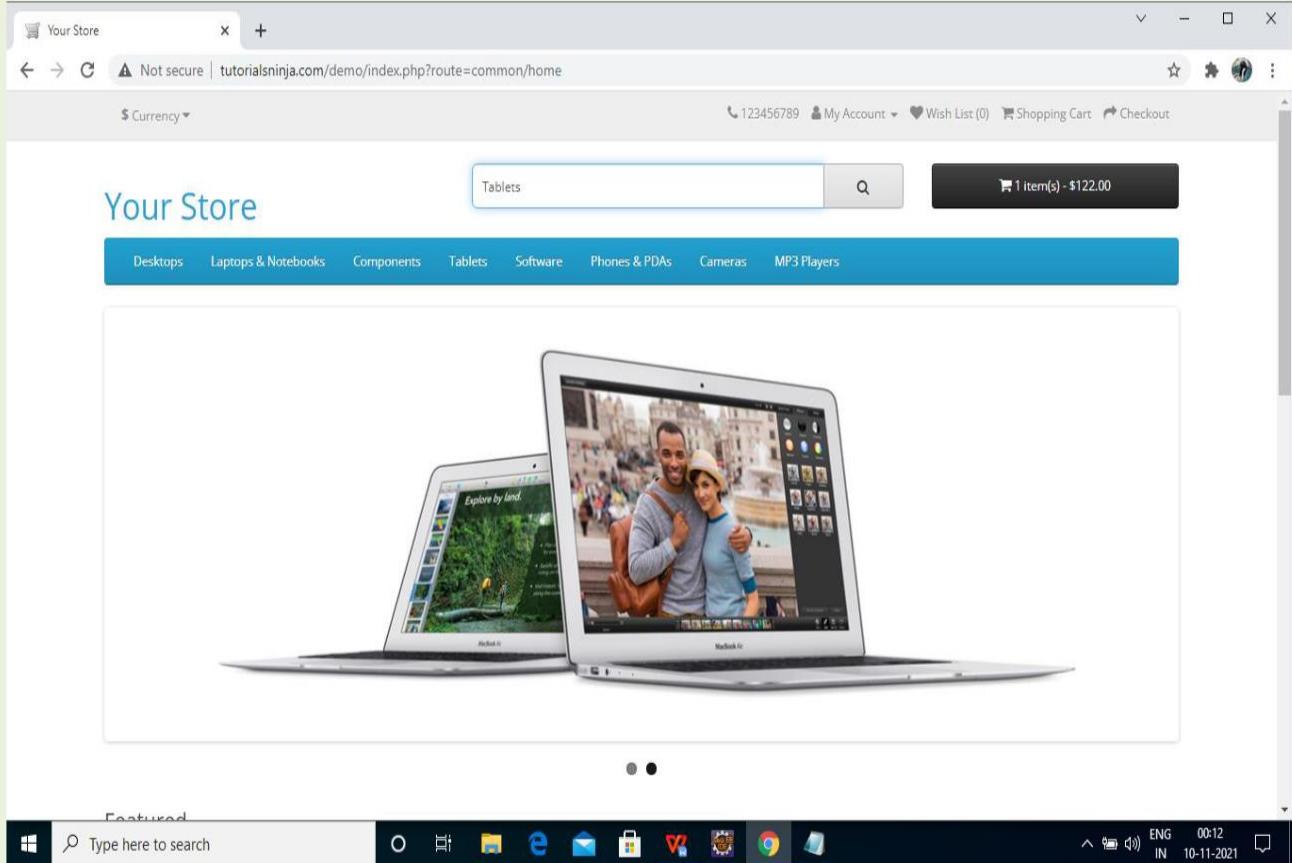
## TC13- TO CHECK THE FUNCTIONALITY OF CONTINUE BUTTON OF CONTACT PAGE

```
w.findElement(By.xpath("//*[@id='content']/div/div/a")).click();  
Thread.sleep(2000);
```



## TC14- TO CHECK THE FUNCTIONALITY OF SEARCH BAR OF HOME PAGE

```
w.findElement(By.name("search")).sendKeys("Tablets");  
w.findElement(By.xpath("/html/body/header/div/div/div[2]/div/span/button")).click();  
Thread.sleep(2000);
```



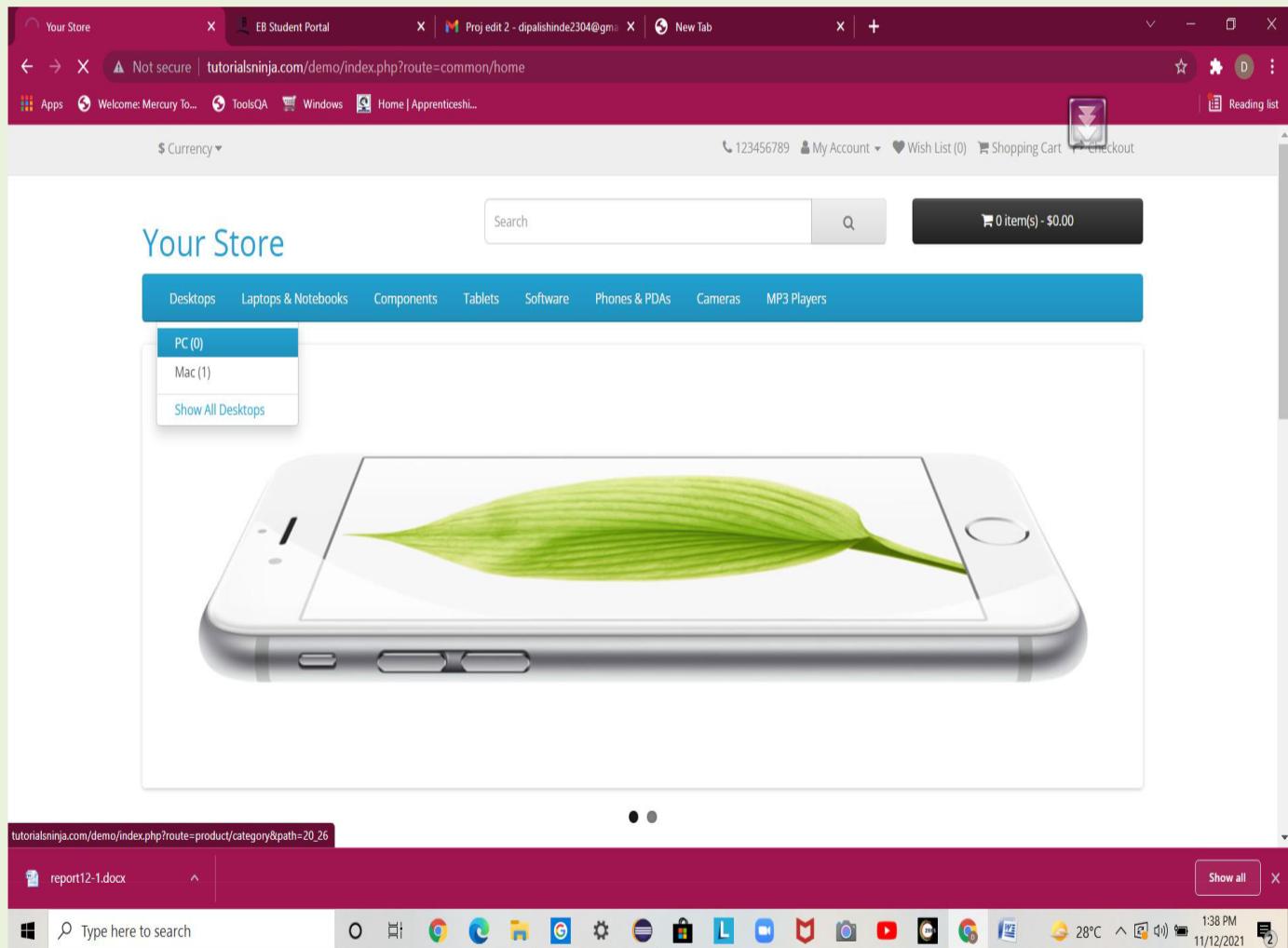
## **TC15- TO CHECK THE FUNCTIONALITY OF DESKTOP**

**PAGE:-**

```
w.findElement(By.linkText("Desktops")).click();
w.findElement(By.xpath("//*[@id='menu']/div[2]/ul/li[1]/a")).click();
w.findElement(By.id("list-view")).click();
```

Select s1=new

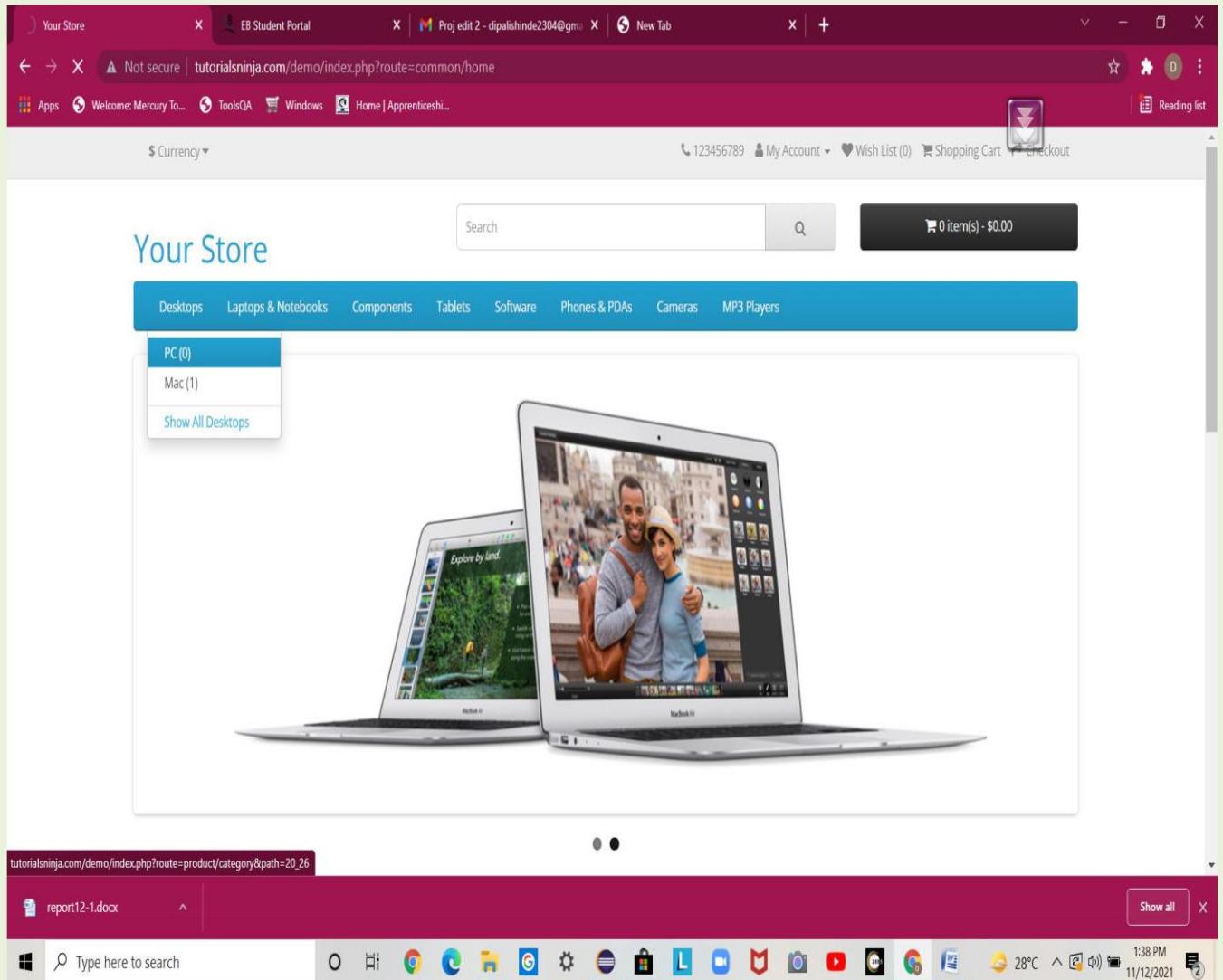
```
Select(w.findElement(By.xpath("//*[@id='menu']/div[2]/ul/li[1]/div/div/ul/li[1]/a")));
s1.selectByVisibleText("PC (0)");
```



**TC16- TO CHECK THE FUNCTIONALITY OF  
DESKTOP PAGE PC OPTION:-**

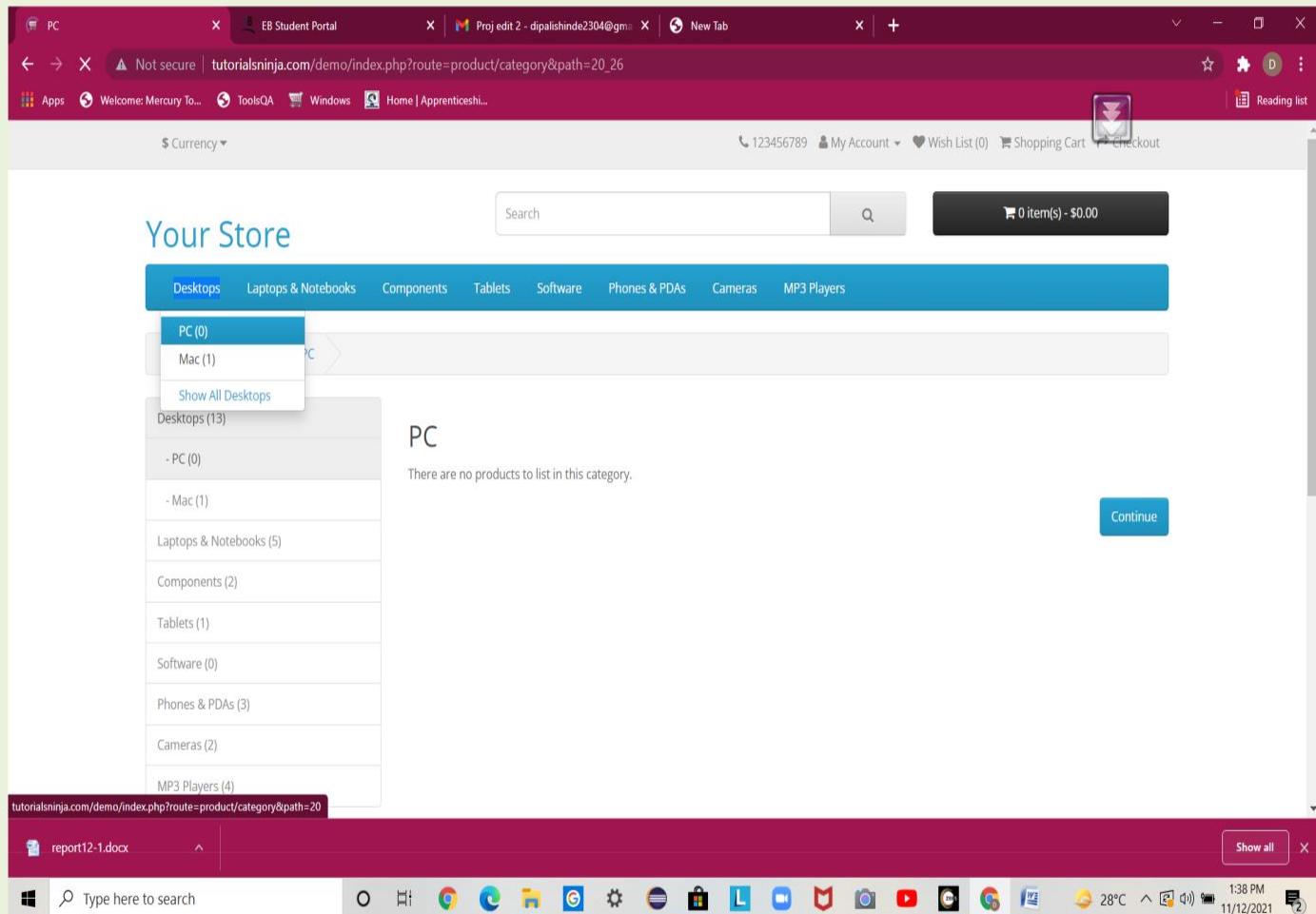
Select s1= new

```
Select(w.findElement(By.xpath("//*[@id='menu']/div[2]/ul/li[1]/div/div/ul/li[1]/a")));  
s1.selectByVisibleText("PC (0)");
```



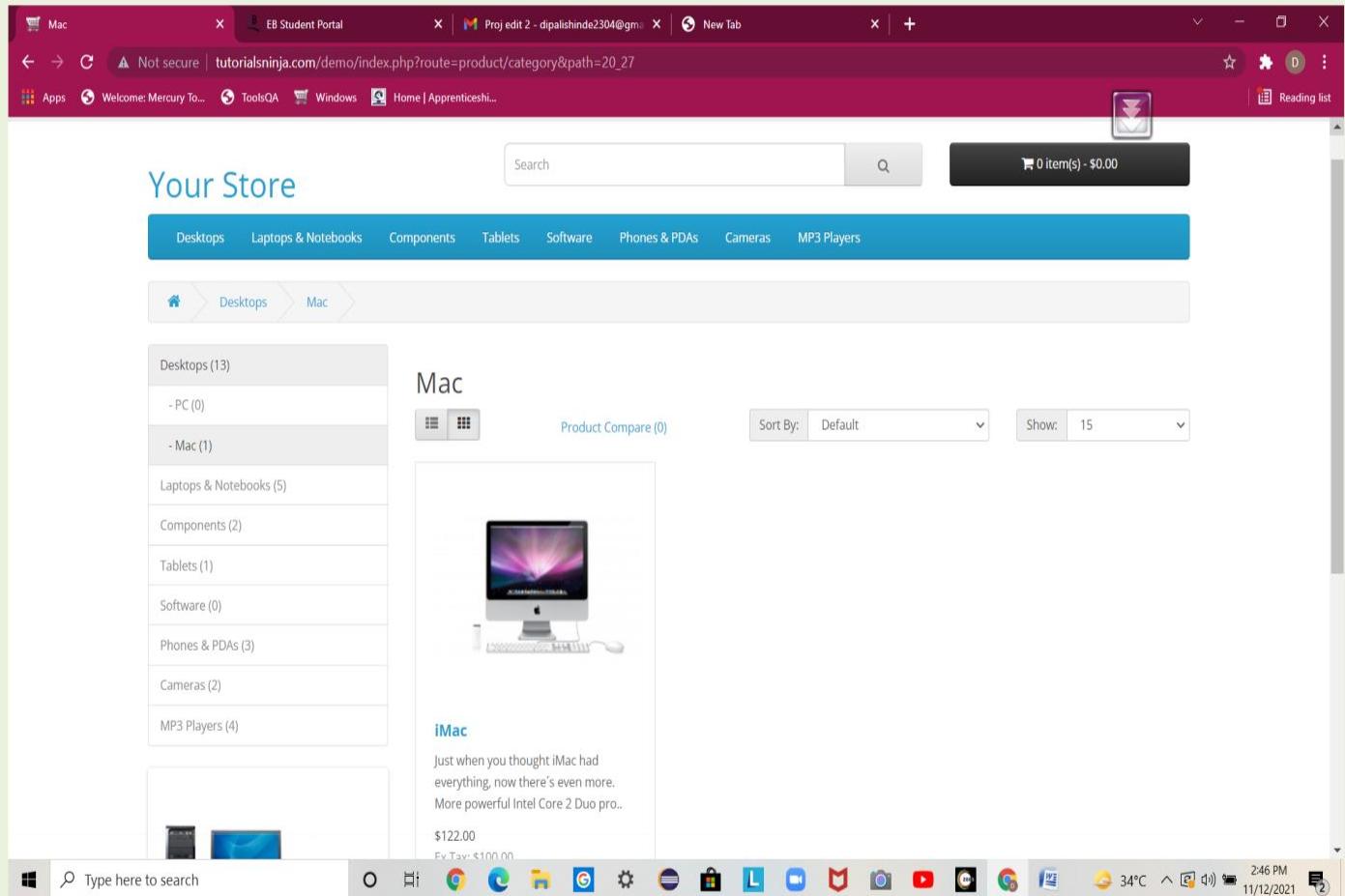
**TC17:- TO CHECK THE FUNCTIONALITY OF  
DESKTOP PAGE PC OPTION CONTINUE BUTTON:-**

```
w.findElement(By.linkText("Continue")).click();
w.findElement(By.xpath("//*[@id='content']/div/div/a")).click();
```



## **TC18:- TO CHECK THE FUNCTIONALITY OF DESKTOP PAGE MAC OPTION:-**

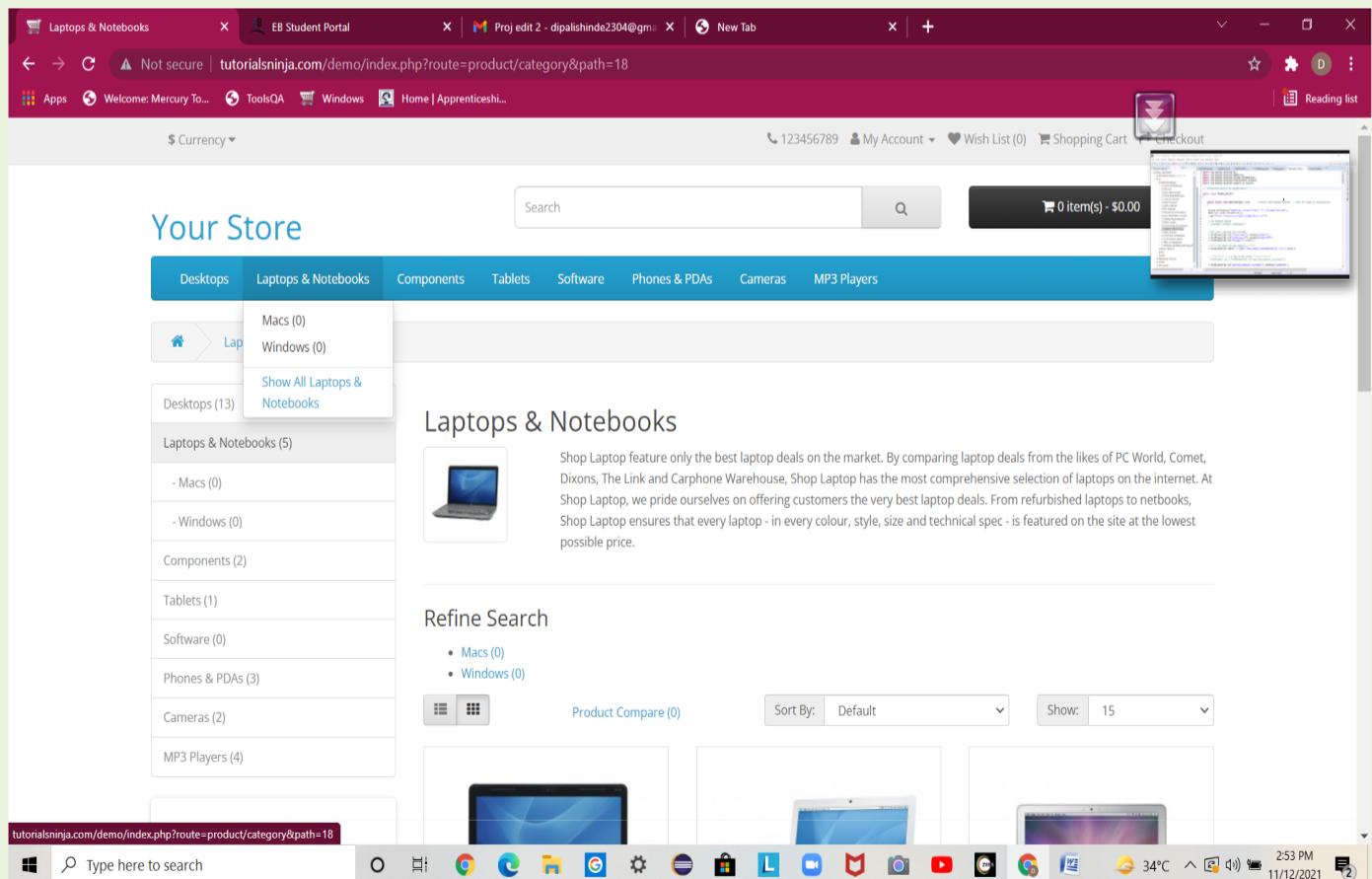
```
Select s2=new Select(w.findElement(By.xpath("//*[@id='menu']/div[2]/ul/li[1]/div/div/ul/li[2]/a")));
s2.selectByVisibleText("Mac (1)");
w.findElement(By.xpath("//*[@id='menu']/div[2]/ul/li[1]/div/div/ul/li[2]/a")).click();
```



## **TC19:- TO CHECK THE FUNCTIONALITY OF LAPTOPS AND NOTEBOOKS OPTION:-**

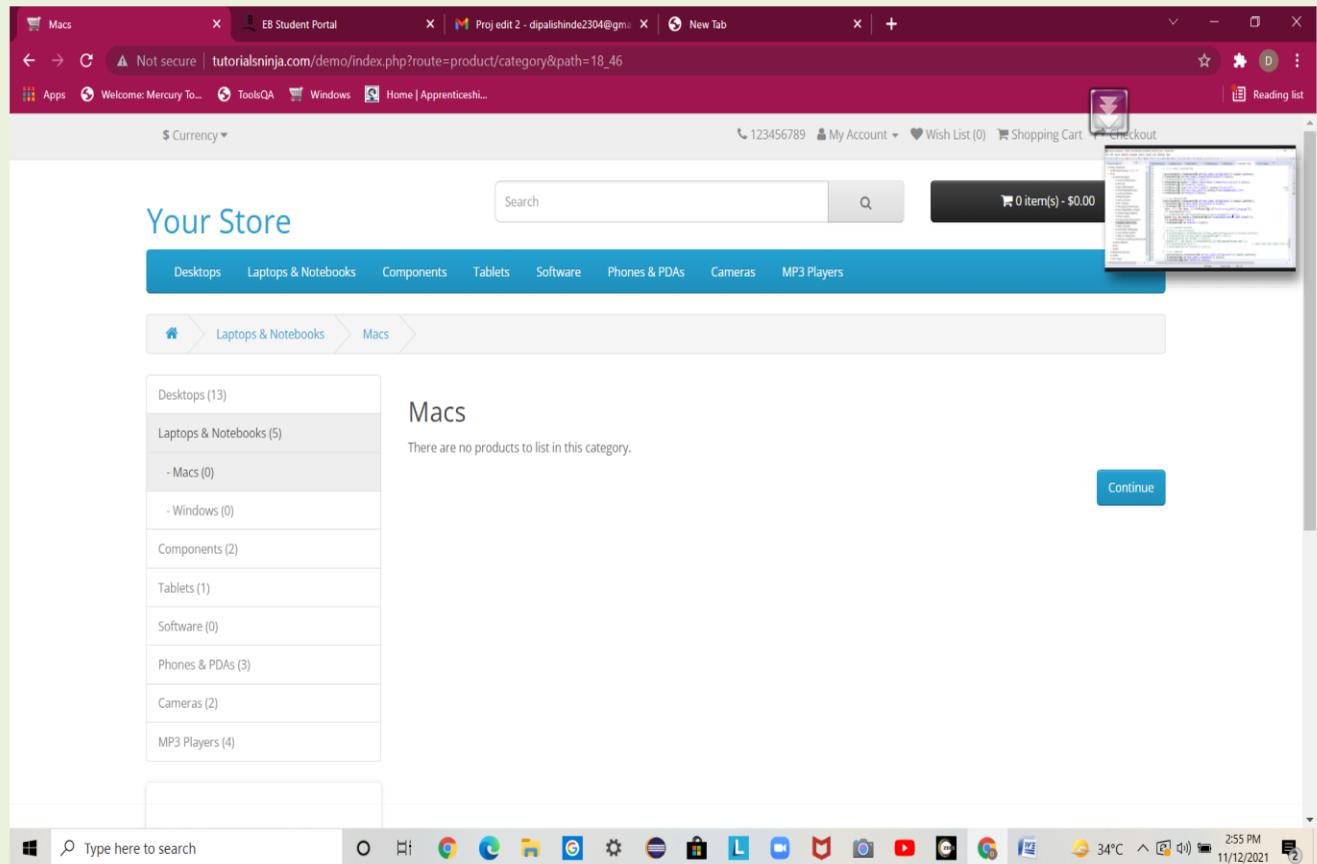
```
System.setProperty("webdriver.chrome.driver",
"C:\\\\Users\\\\RANJAN\\\\Desktop\\\\SELENIUM\\\\chromedriver.exe")
;
WebDriver w=new ChromeDriver();
w.get("http://tutorialsninja.com/demo");
w.manage().window().maximize();

w.findElement(By.linkText("Laptops & Notebooks")).click();
w.findElement(By.className("dropdown open")).click();
w.findElement(By.id("list-view")).click();
```



**TC20:- :- TO CHECK THE FUNCTIONALITY OF  
LAPTOPS AND NOTEBOOKS IN MAC OPTION:-**

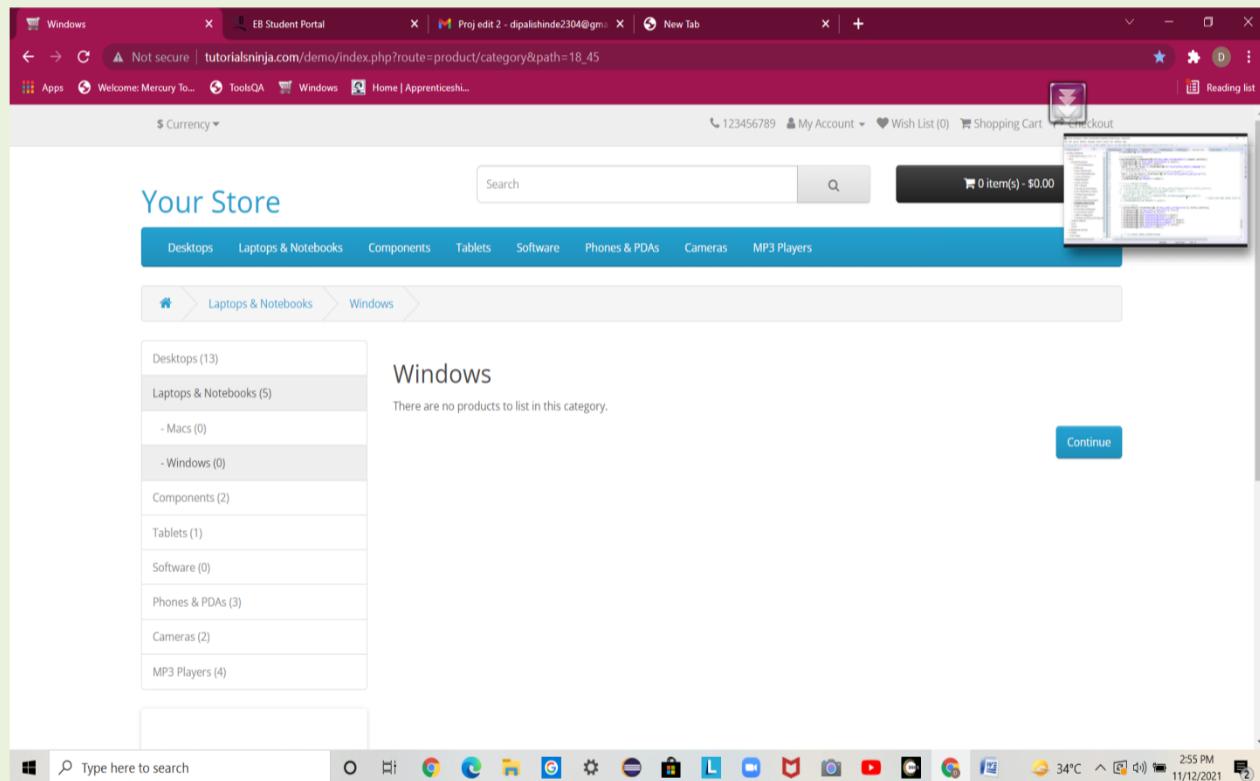
```
Select s1=new Select(w.findElement(By.xpath("//*[@id='column-left']/div[1]/a[3]")));
s1.selectByVisibleText("Macs (0)");
w.findElement(By.xpath("//*[@id='content']/div/div/a")).click();
```



## **TC21:- TO CHECK THE FUNCTIONALITY OF LAPTOPS AND NOTEBOOKS IN WINDOWS**

### **OPTION:-**

```
w.findElement(By.linkText("Windows (0)")).click();
// w.findElement(By.className("dropdown open")).click();
w.findElement(By.xpath("//*[@id='column-left']/div[1]/a[4]")).click();
```

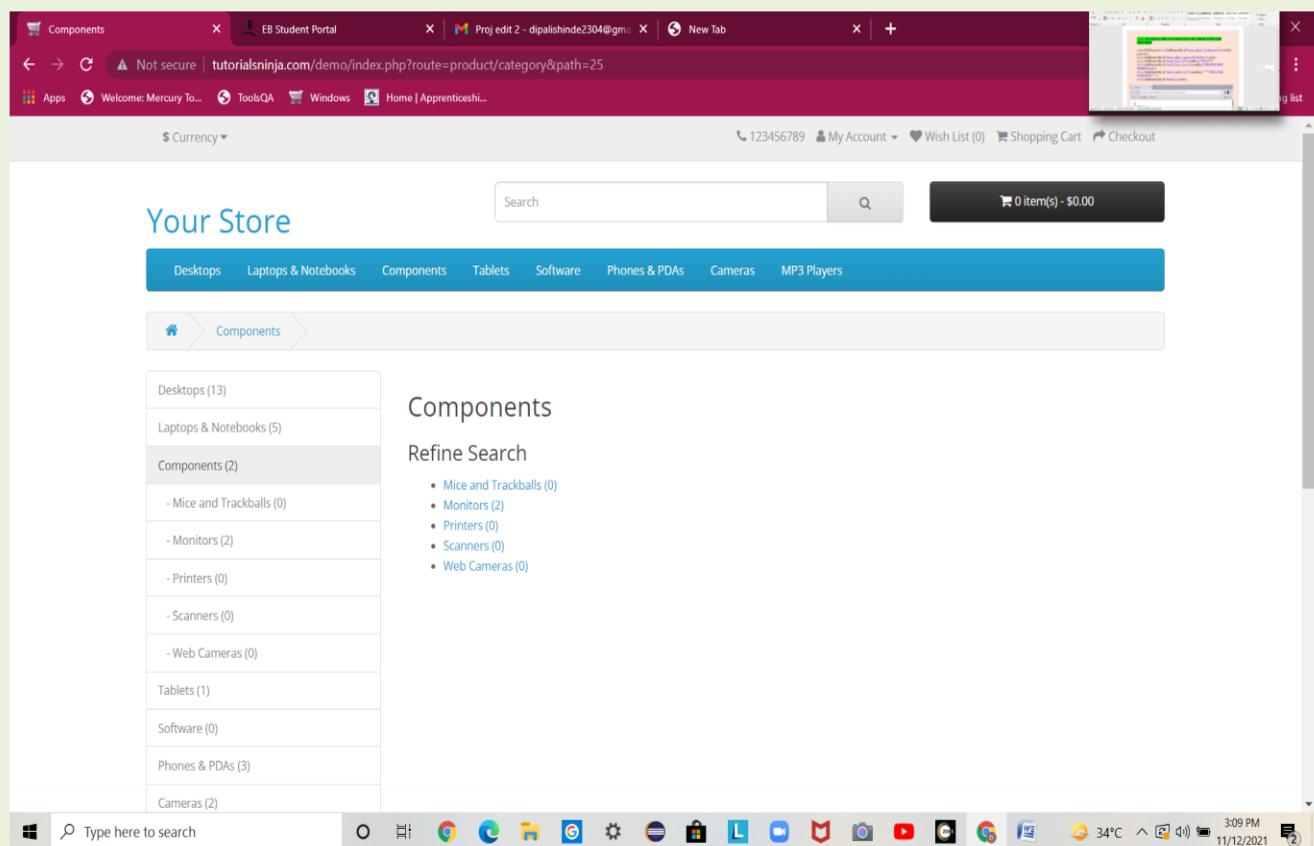


## **TC22:- TO CHECK THE FUNCTIONALITY OF SEARCH**

### **BUTTON FOR COMPONENTS OPTION:-**

```
System.setProperty("webdriver.chrome.driver",
"C:\\\\Users\\\\RANJAN\\\\Desktop\\\\SELENIUM\\\\chromedriver.exe");
WebDriver w=new ChromeDriver();
w.get("http://tutorialsninja.com/demo");
w.manage().window().maximize();

w.findElement(By.linkText("Components")).click();
w.findElement(By.xpath("//*[@id='menu']/div[2]/ul/li[3]/a")).click();
w.findElement(By.id("list-view")).click();
```



## **TC23:- TO CHECK THE FUNCTIONALITY OF SEARCH**

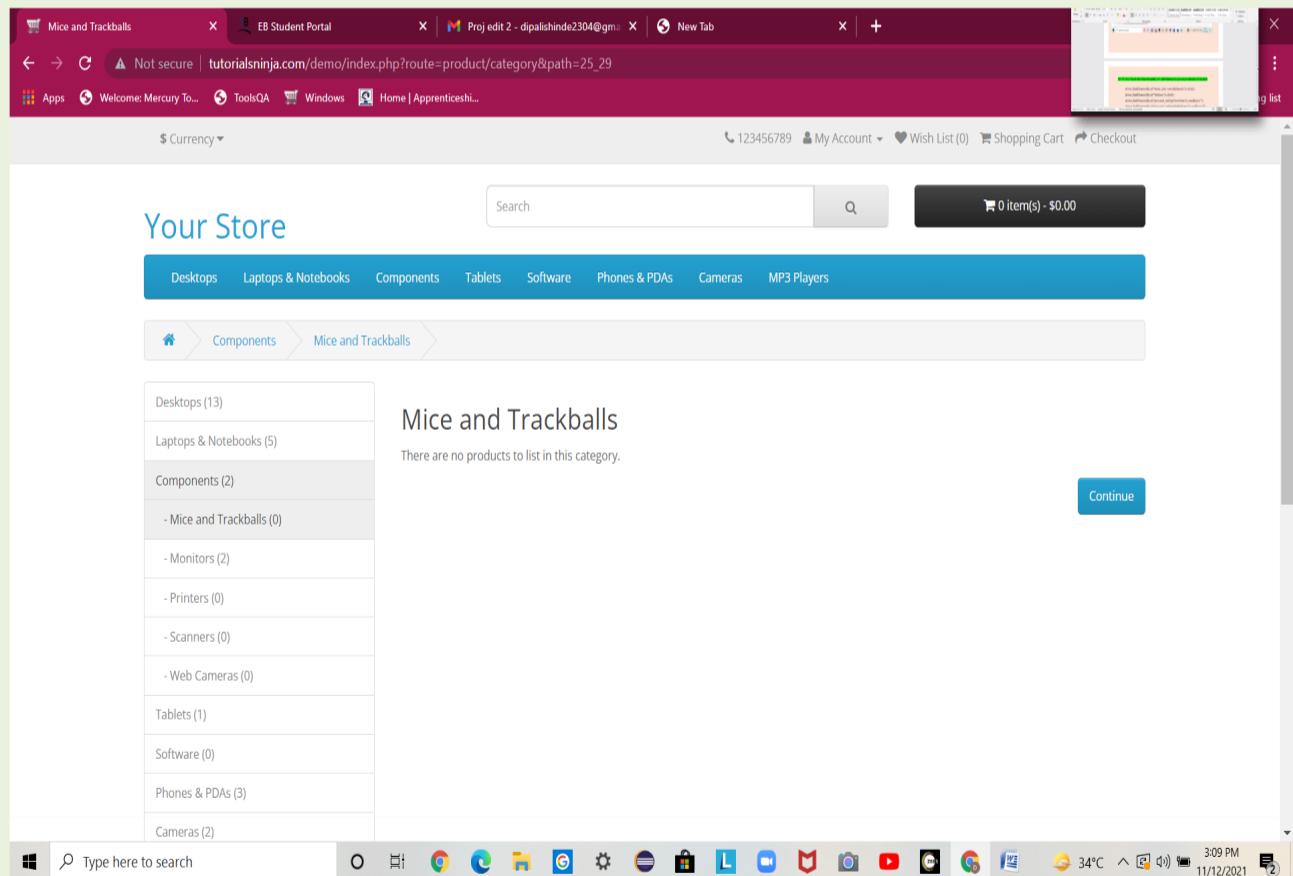
**BUTTON FOR COMPONENTS MAC AND**

**TRACKBALL OPTION:-**

**// MICE AND TRACKBALLS:-**

```
w.findElement(By.linkText("Mice and Trackballs (0)").click();  
// w.findElement(By.className("dropdown open")).click();
```

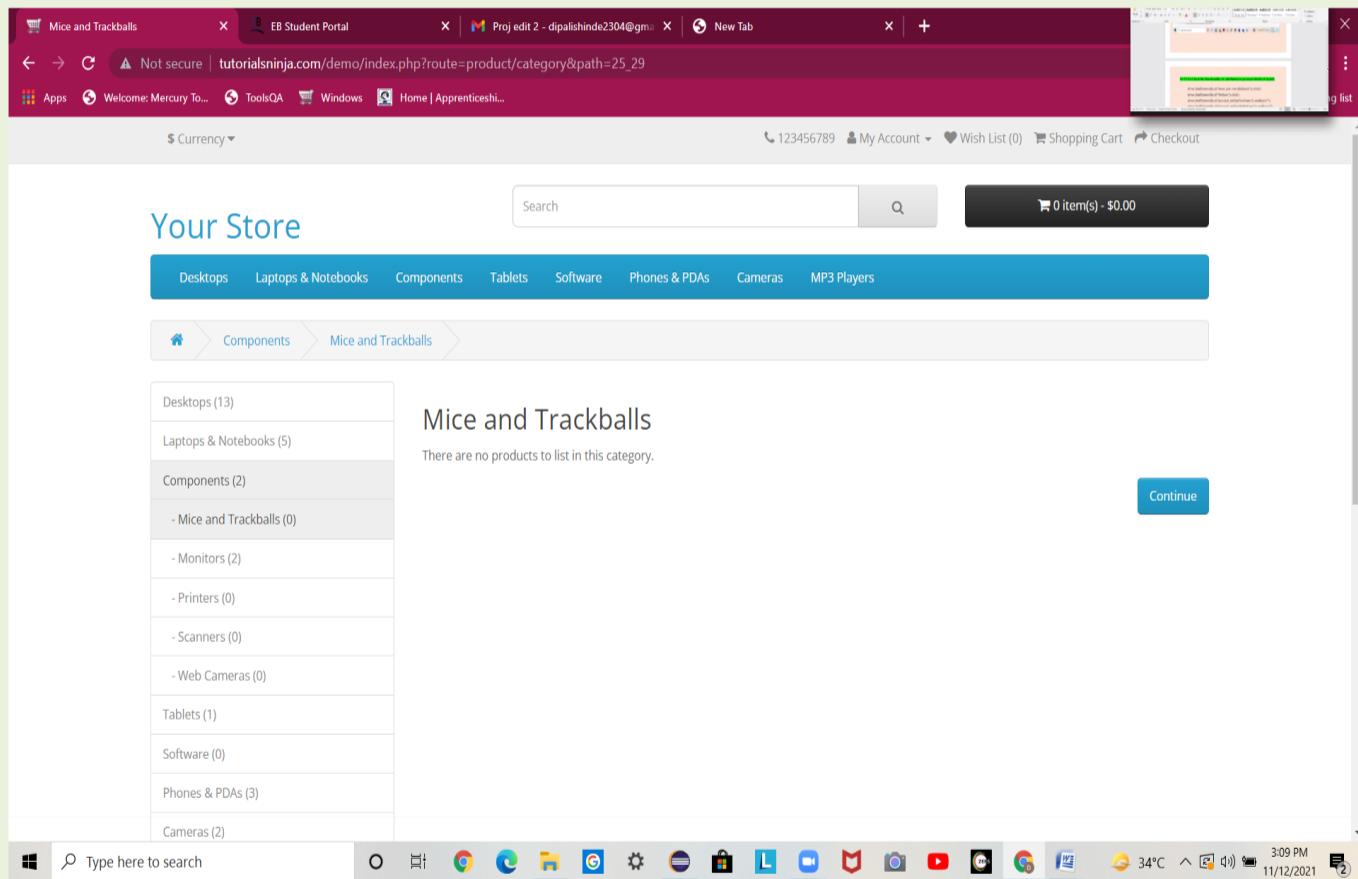
```
w.findElement(By.xpath("//*[@id='menu']/div[2]/ul/li[3]  
/div/div/ul/li[1]/a")).click();
```



## **TC24:- TO CHECK THE FUNCTIONALITY OF SEARCH**

### **BUTTON FOR COMPONENTS MAC AND TRACKBALL CONTINUE OPTION:-**

```
w.findElement(By.linkText("Continue")).click();  
w.findElement(By.xpath("//*[@id='content']/div/div/a")).click();
```

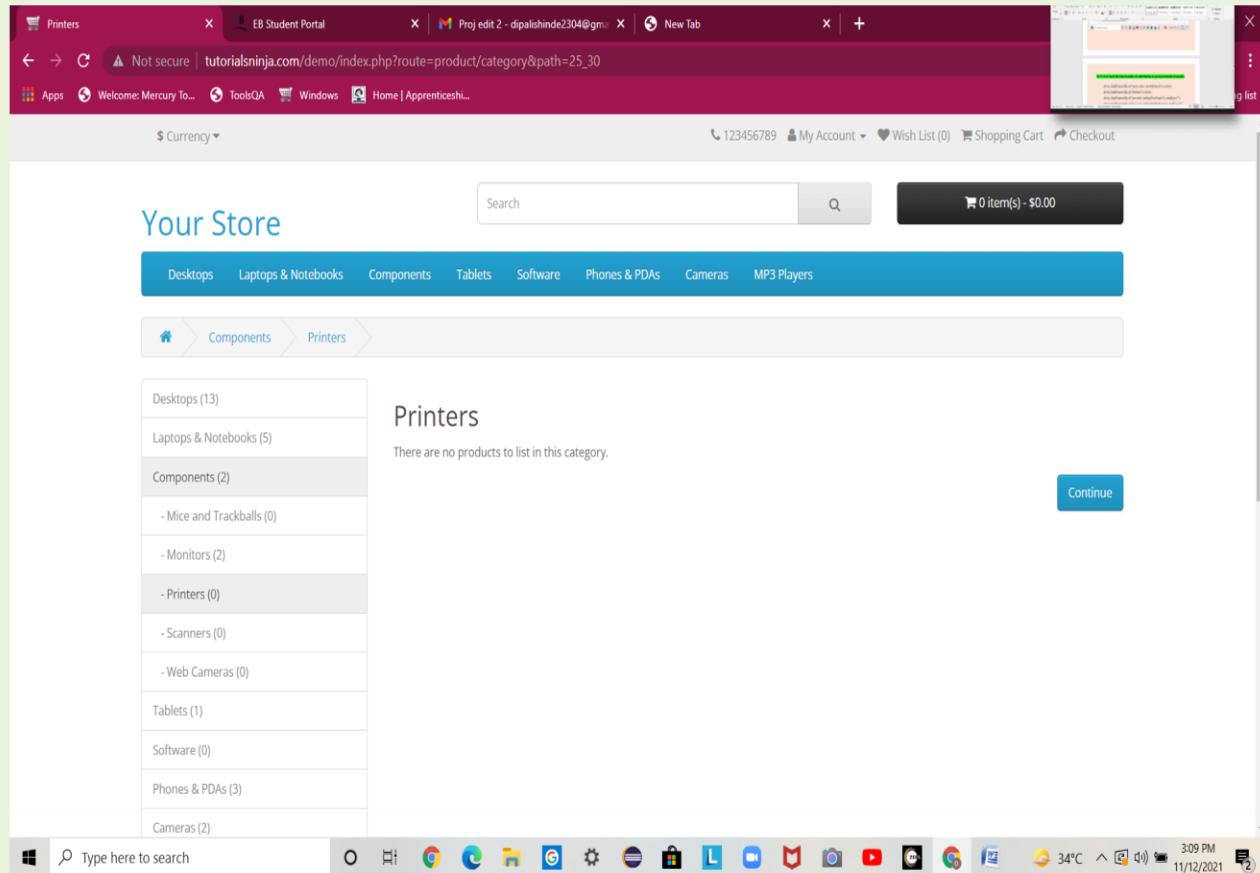


## **TC25:- TO CHECK THE FUNCTIONALITY OF SEARCH**

### **BUTTON FOR COMPONENTS PRINTER OPTION:-**

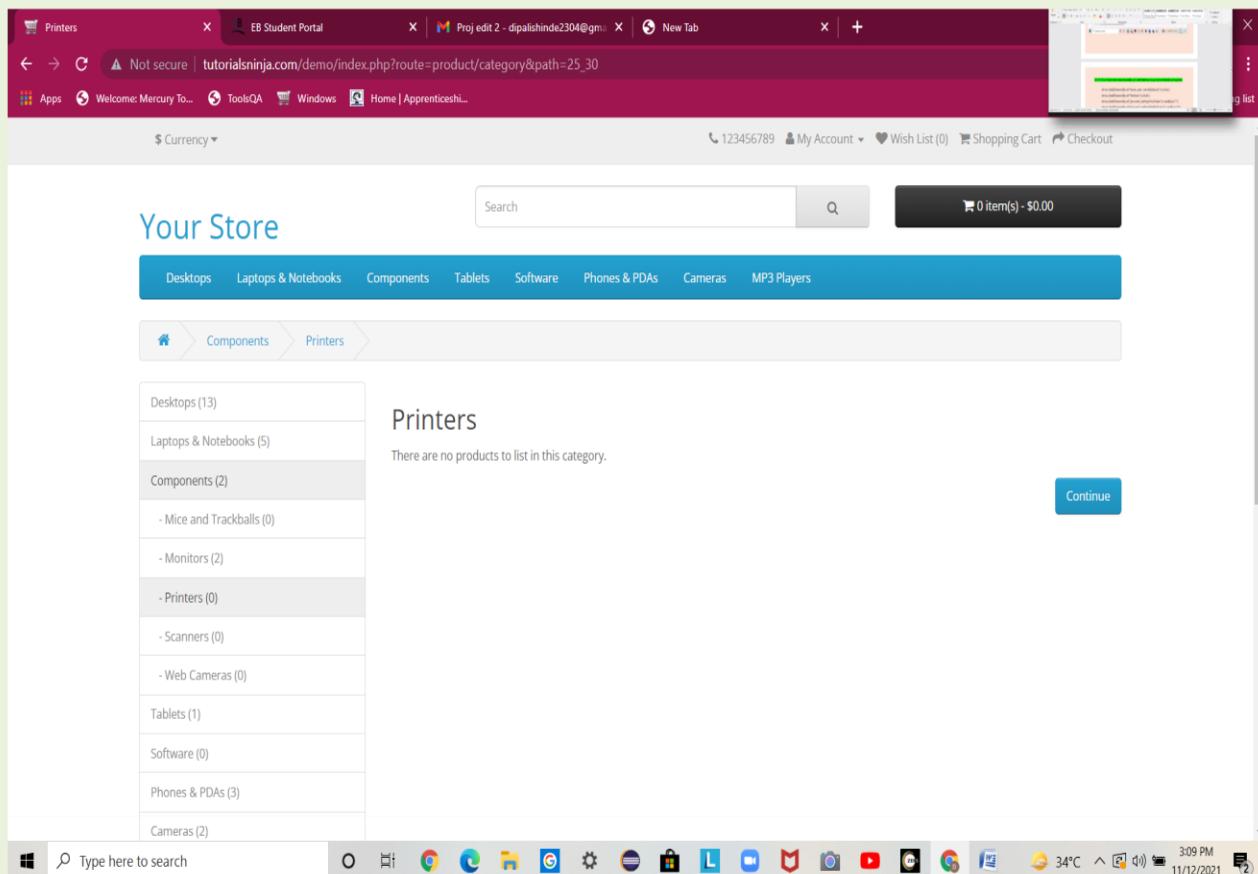
/// Printers:-

```
w.findElement(By.linkText("Printers (0)").click();
w.findElement(By.xpath("//*[@id='menu']/div[2]/ul/li[3]
/div/div/ul/li[3]/a")).click();
```



**TC26:-- TO CHECK THE FUNCTIONALITY OF  
SEARCH BUTTON FOR COMPONENTS PRINTER  
CONTINUE OPTION:-**

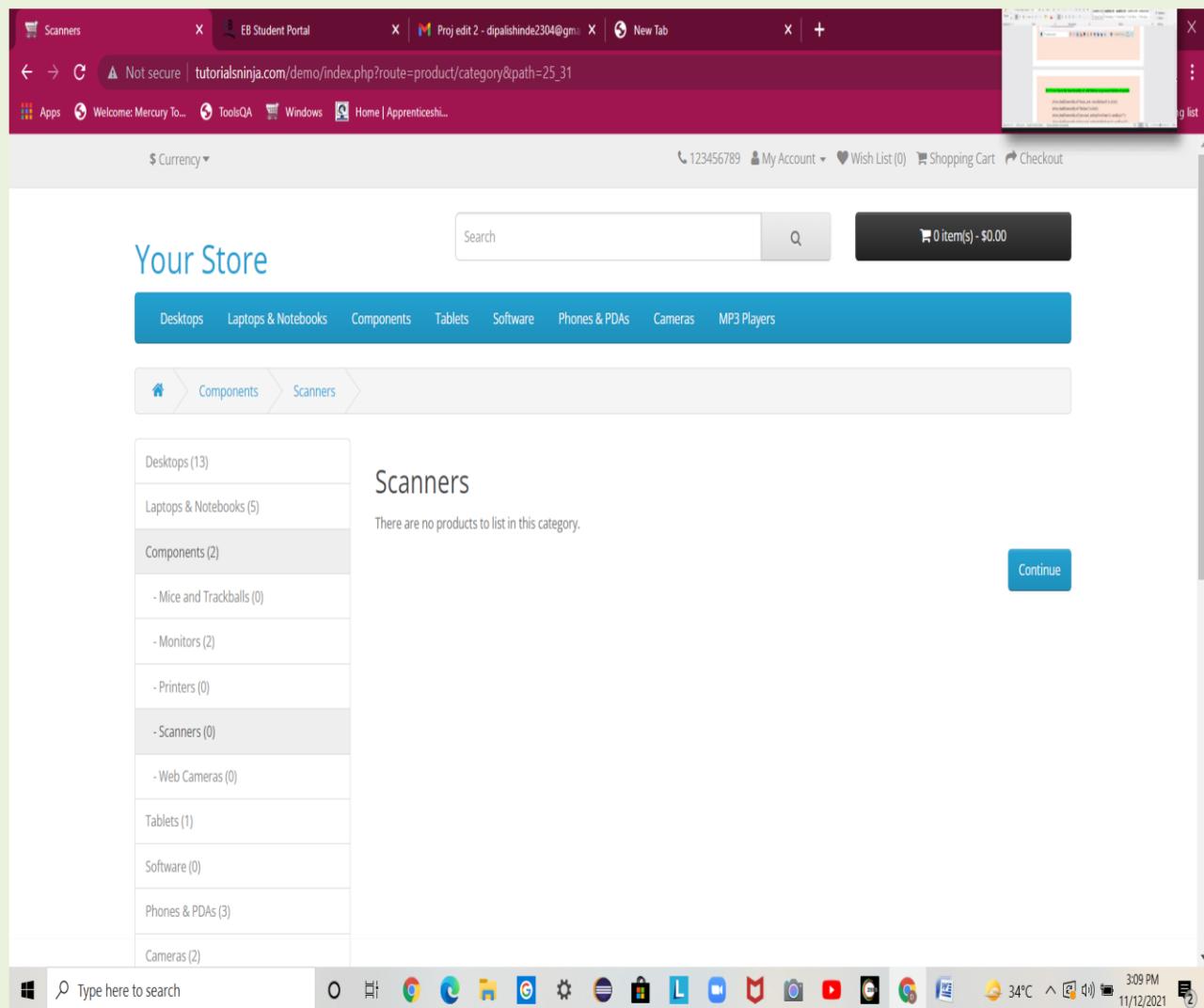
```
w.findElement(By.linkText("Continue")).click();  
w.findElement(By.xpath("//*[@id='content']/div/div/a")).click();
```



## **TC27:- TO CHECK THE FUNCTIONALITY OF SEARCH**

### **BUTTON FOR COMPONENTS SCANNER OPTION:-**

```
w.findElement(By.linkText("Scanners (0)")).click();  
w.findElement(By.xpath("//*[@id='menu']/div[2]/ul/li[3]/div/div/ul/li[4]/a")).click();
```

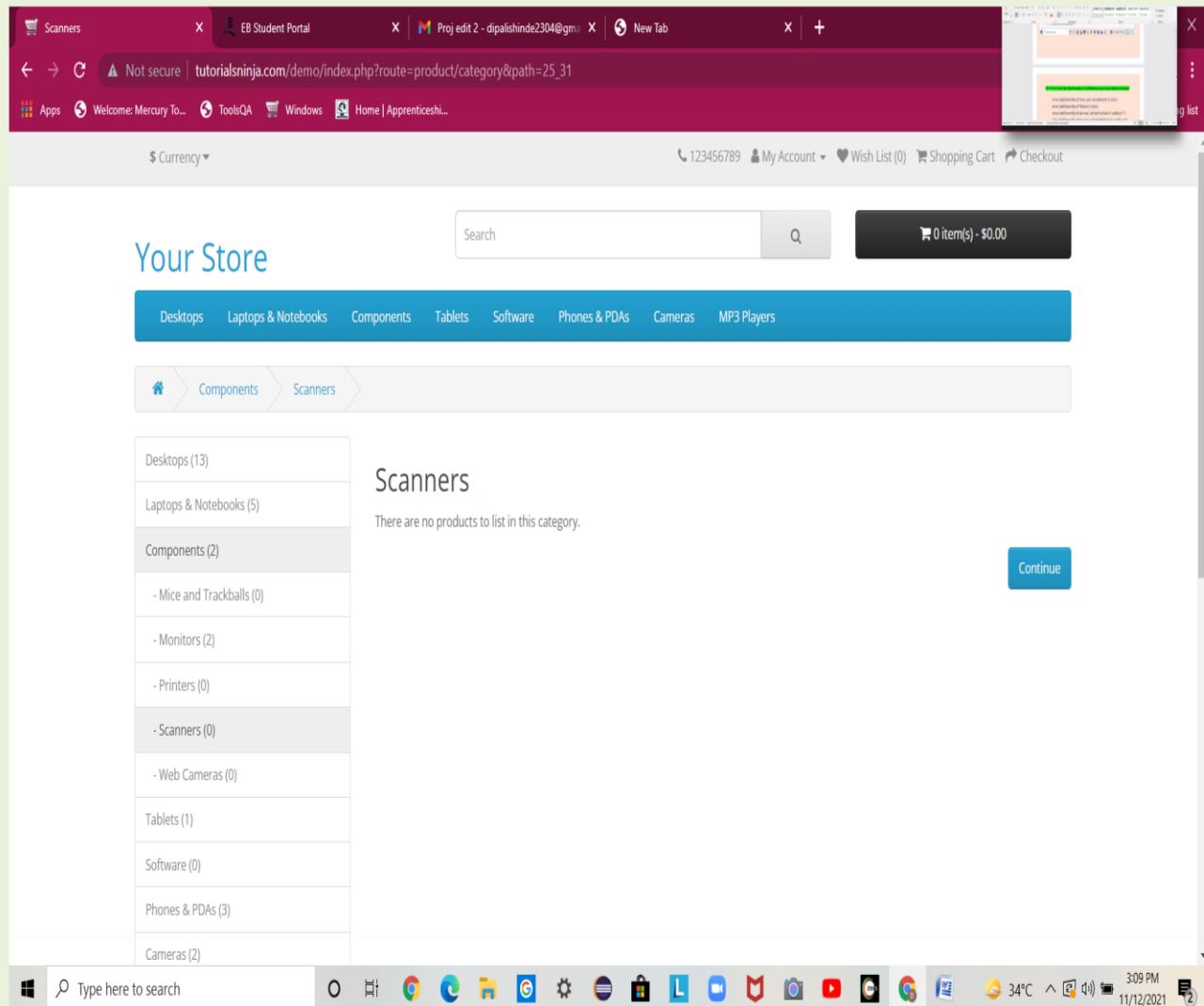


## **TC28:- TO CHECK THE FUNCTIONALITY OF SEARCH**

### **BUTTON FOR COMPONENTS SCANNER**

#### **CONTINUE OPTION:-**

```
w.findElement(By.linkText("Continue")).click();
w.findElement(By.xpath("//*[@id='content']/div/div/a")).click();
```

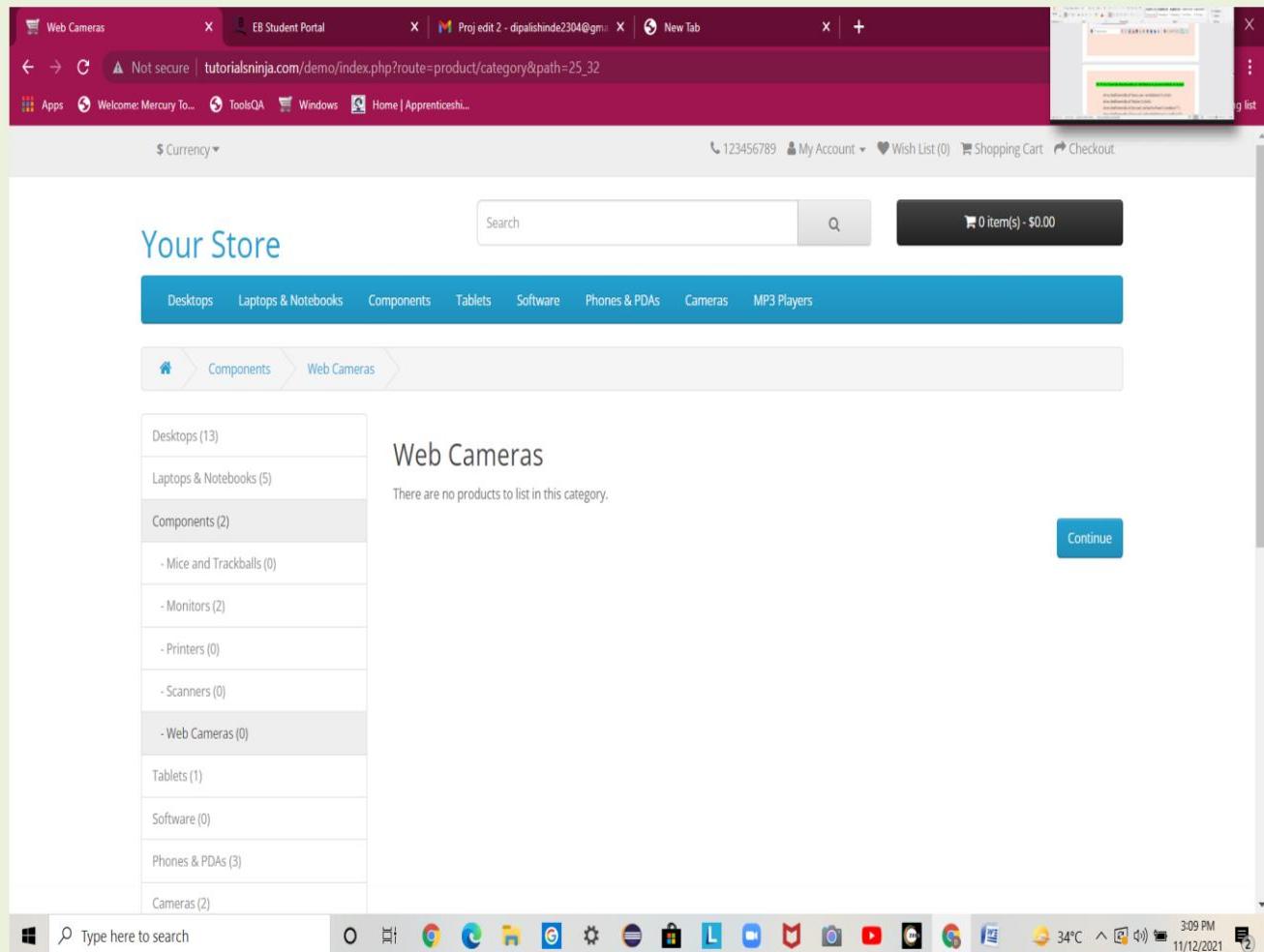


## **TC29:- TO CHECK THE FUNCTIONALITY OF SEARCH**

### **BUTTON FOR COMPONENTS WEBCAMERA**

**OPTION:-**

```
w.findElement(By.linkText("Web Cameras (0)").click();
w.findElement(By.xpath("//*[@id='menu']/div[2]/ul/li[3]/div/div/ul/li[5]/a")).click();
```

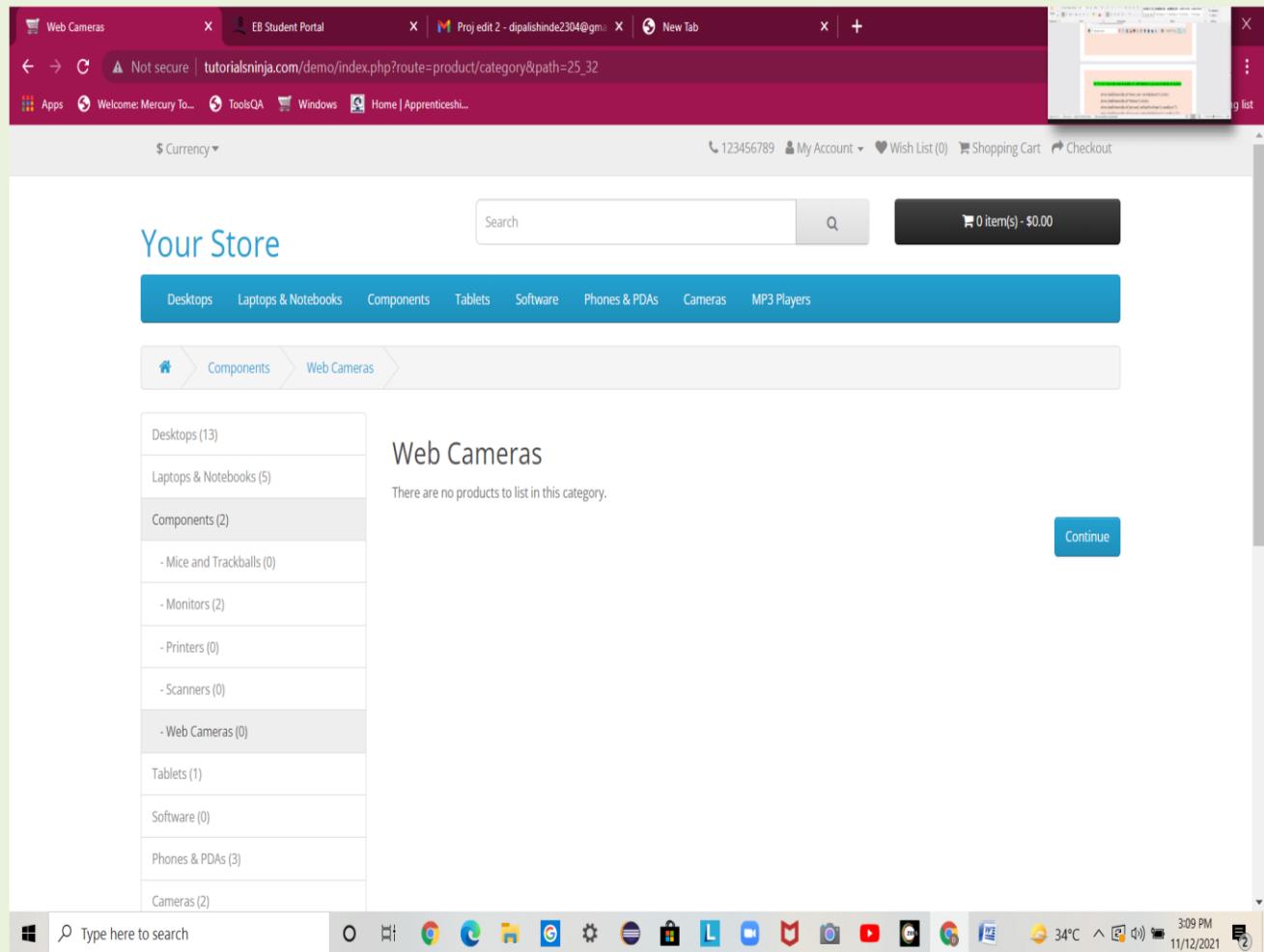


## **TC30:- TO CHECK THE FUNCTIONALITY OF SEARCH**

### **BUTTON FOR COMPONENTS WEBCAMERA**

#### **CONTINUE OPTION:-**

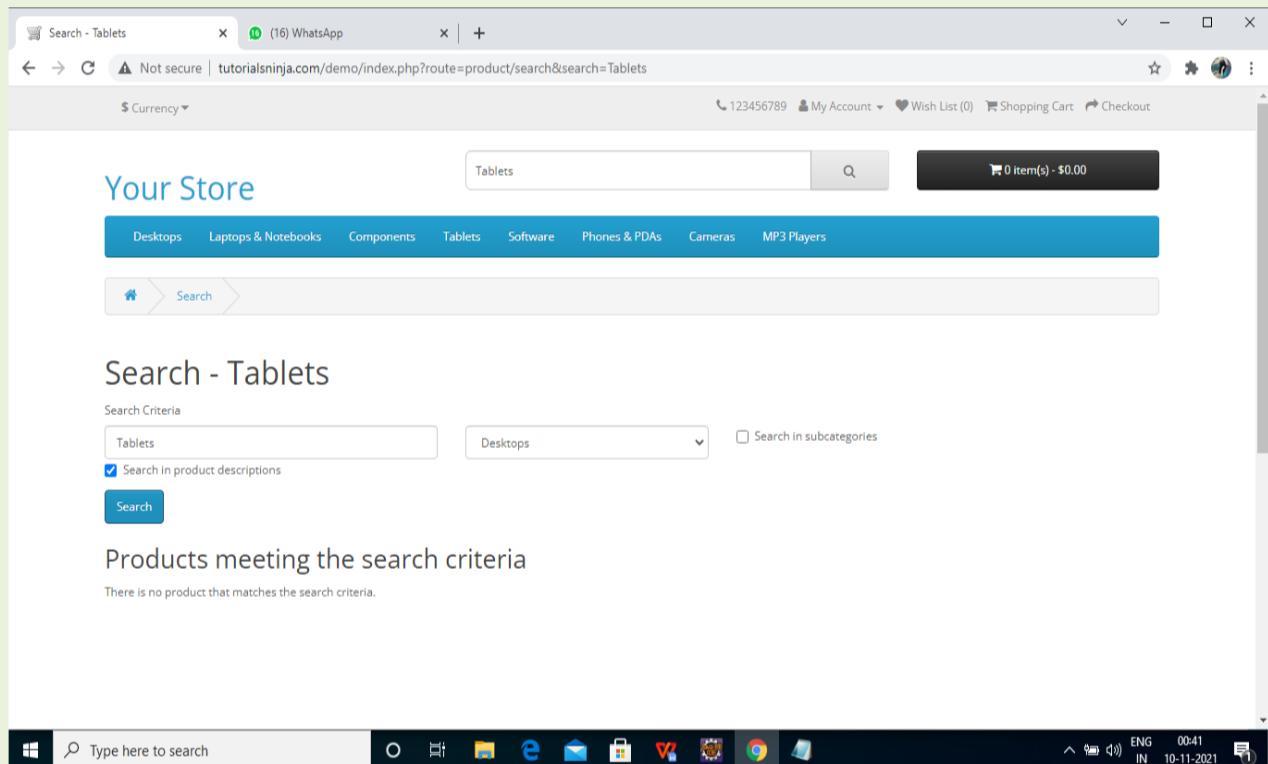
```
w.findElement(By.linkText("Continue")).click();  
w.findElement(By.xpath("//*[@id='content']/div/div/a")).click();
```



## **TC31:- TO CHECK THE FUNCTIONALITY OF SEARCH**

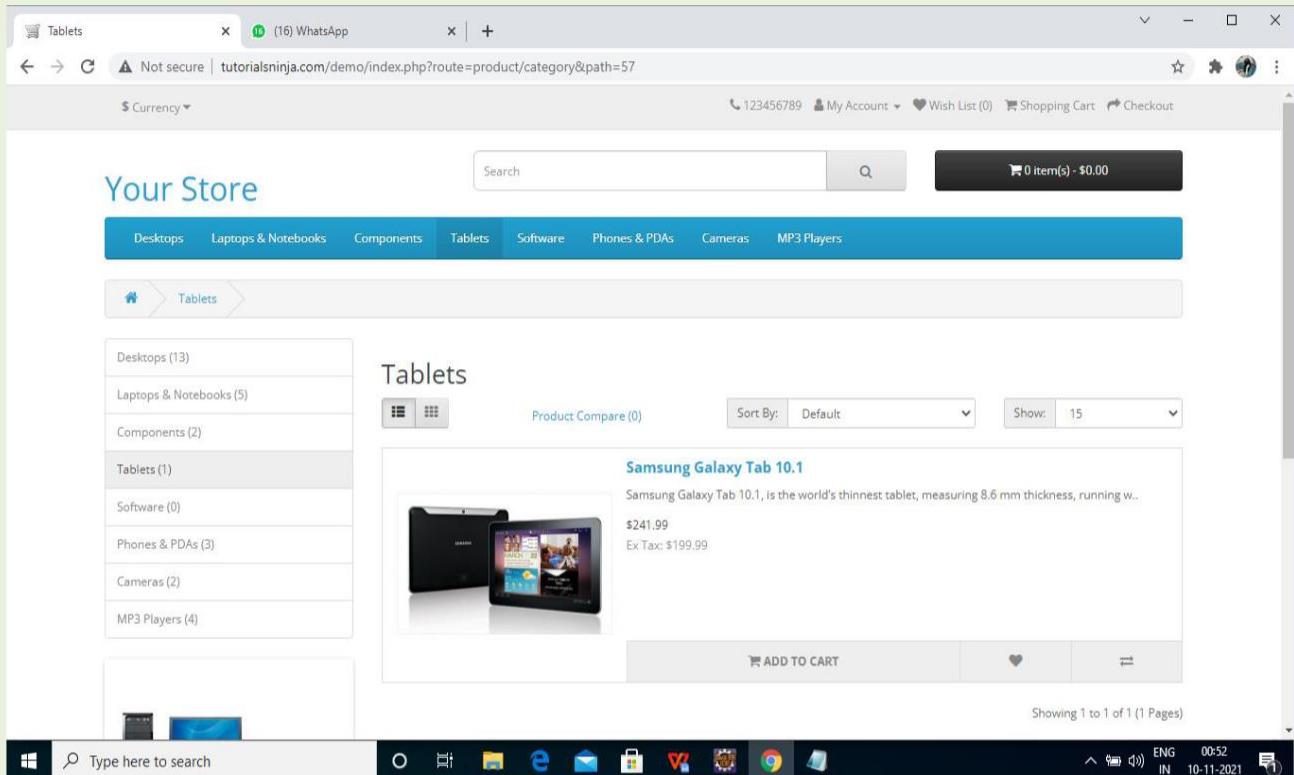
### **BUTTON OF TABLET PAGE**

```
Selects5=newSelect(w.findElement(By.xpath("//html/div[2]/div[1]/div[1]/div[1]/div[2]/select[1]")));
s5.selectByVisibleText("Desktops");
w.findElement(By.id("description")).click();
w.findElement(By.id("button-search")).click();
```



## TC32:-TO CHECK THE FUNCTIONALITY OF TABLET OF HOMEPAGE

`w.findElement(By.linkText("Tablets")).click();`



## **TC33- TO CHECK THE FUNCTIONALITY OF ADD TO CART BUTTON OF TABLET PAGE**

```
w.findElement(By.xpath("//html[1]/body[1]/div[2]/div[1]/div[1]/div[1]/div[1]/div[1]/button[2]")).click();  
  
Thread.sleep(2000);  
  
w.findElement(By.id("list-view")).click();  
  
Select s1=new Select(w.findElement(By.id("input-sort")));  
  
s1.selectByVisibleText("Name (Z - A)");  
  
Select s2=new Select(w.findElement(By.id("input-limit")));  
  
s2.selectByIndex(2);  
  
w.findElement(By.xpath("//*[@id='content']/div[2]/div/div/div[2]/div[2]/button[1]")).click();  
  
Thread.sleep(2000);
```

Tablets (1) (16) WhatsApp

Not secure | tutorialsninja.com/demo/index.php?route=product/category&path=57&sort=pd.name&order=DESC&limit=50

Currency ▾ 123456789 My Account ▾ Wish List (0) Shopping Cart Checkout

# Your Store

Search  0 item(s) - \$0.00

Desktops Laptops & Notebooks Components Tablets Software Phones & PDAs Cameras MP3 Players

Home Tablets

Desktops (13)  
Laptops & Notebooks (5)  
Components (2)  
Tablets (1)  
Software (0)  
Phones & PDAs (3)  
Cameras (2)  
MP3 Players (4)

Tablets

Product Compare (0) Sort By: Name (Z - A) Show: 50

**Samsung Galaxy Tab 10.1**  
Samsung Galaxy Tab 10.1, is the world's thinnest tablet, measuring 8.6 mm thickness, running w.  
\$241.99  
Ex Tax: \$199.99

ADD TO CART

Showing 1 to 1 of 1 (1 Pages)

Type here to search

Windows Start button Taskbar ENG IN 01:19 10-11-2021

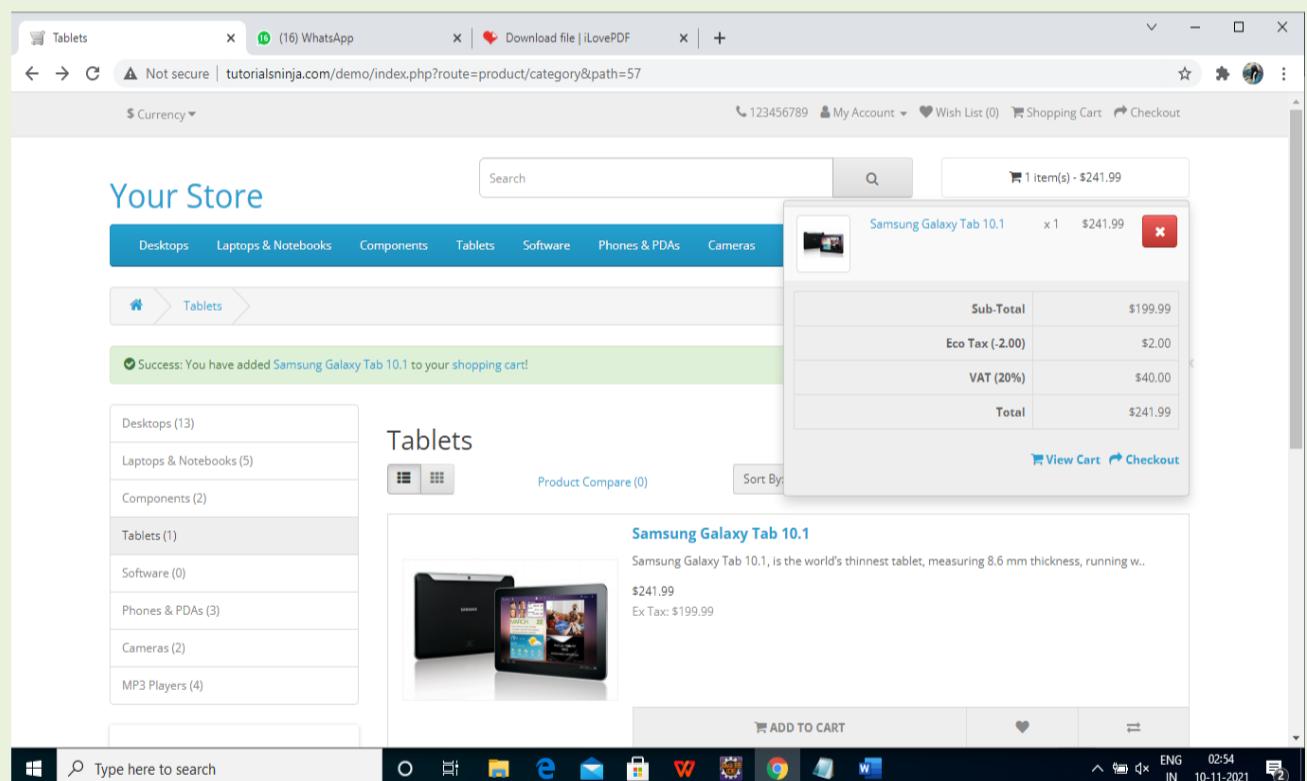
## TC34:- TO CHECK THE FUNCTIONALITY OF ITEM BUTTON OF HOME

### PAGE

*Thread.sleep(2000);*

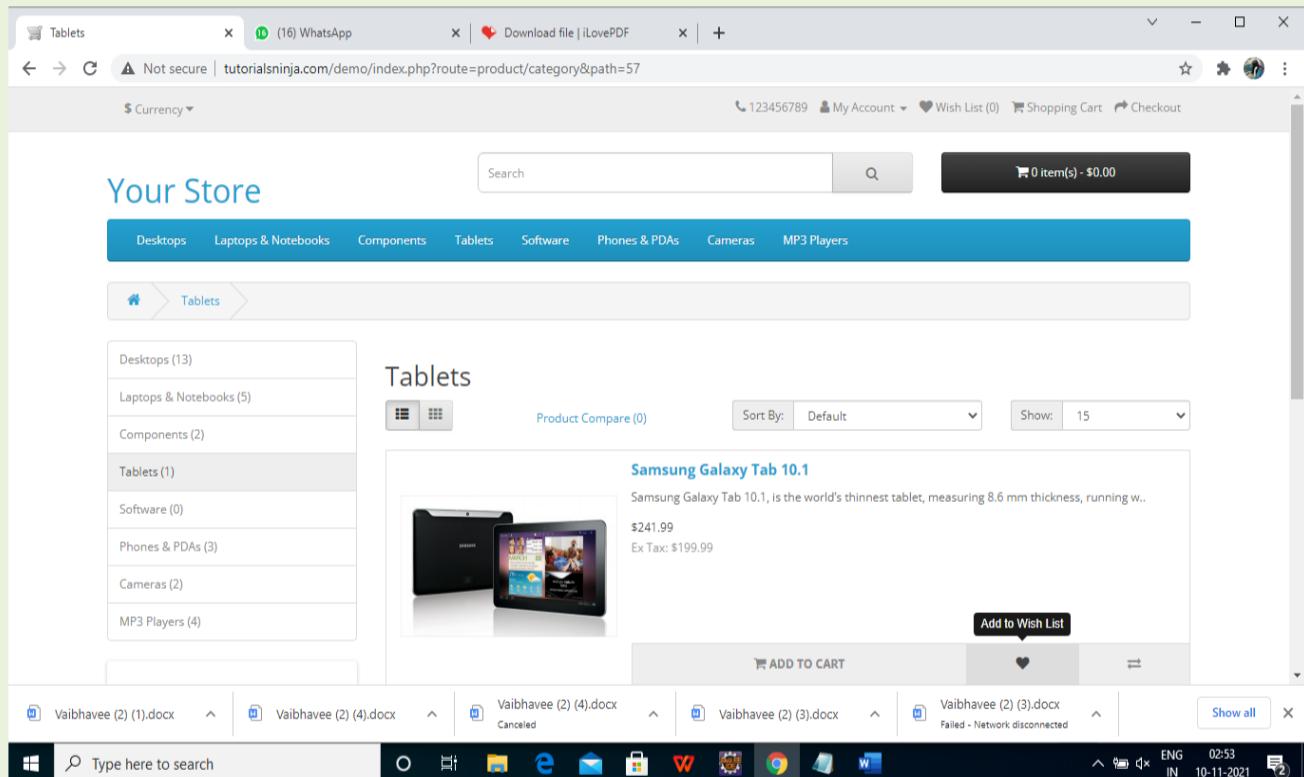
*w.findElement(By.xpath("//\*[@id='cart']/button")).click();*

*Thread.sleep(2000);*



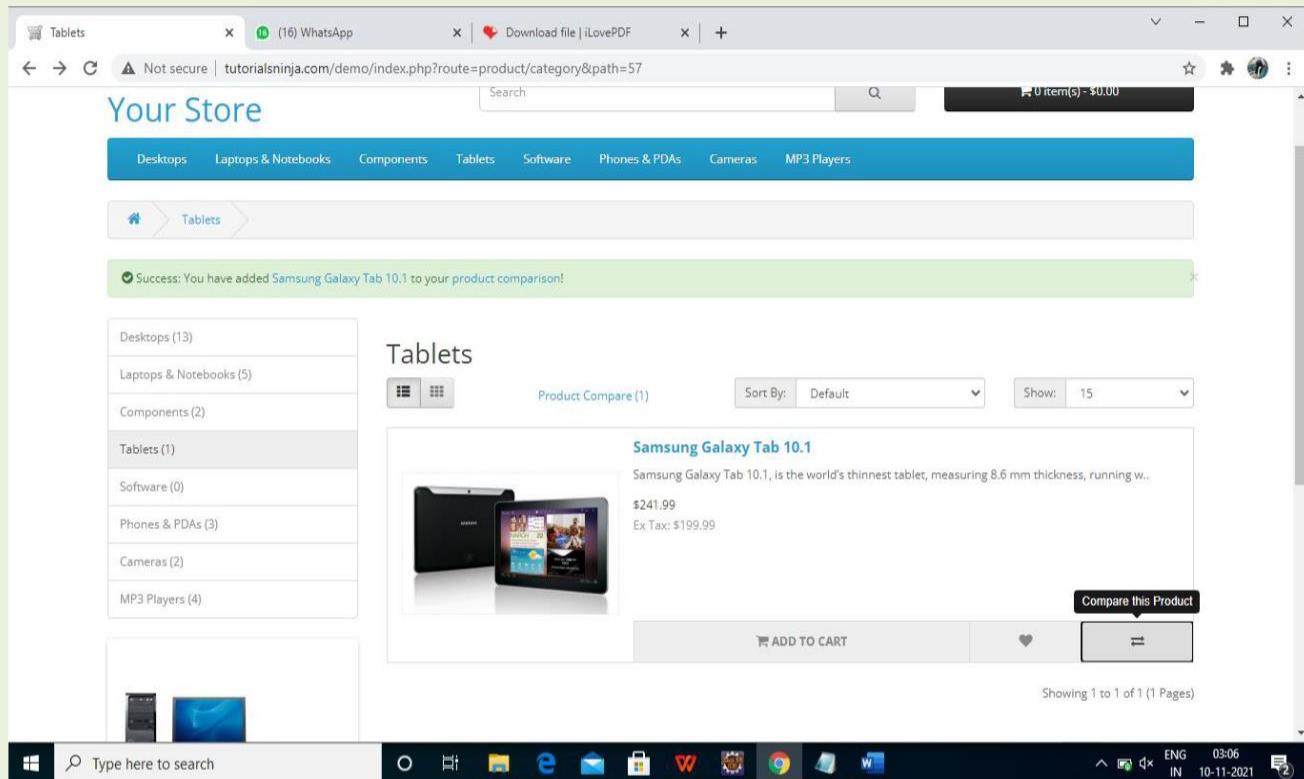
## TC35:- TO CHECK THE FUNCTIONALITY OF ADD OF WISH LIST BUTTON OF TABLETS PAGE:

```
w.findElement(By.xpath("//*[@id='content']/div[2]/div/div/div[2]/div[2]/button[2]")).click(); //add to wish List
```



## TC36:- TO CHECK THE FUNCTIONALITY OF ADD TO COMPARE BUTTON OF TABLET PAGE:

```
w.findElement(By.xpath("//*[@id='content']/div[2]/div/div/div[2]/div[2]/button[3]")).click(); //compare
```

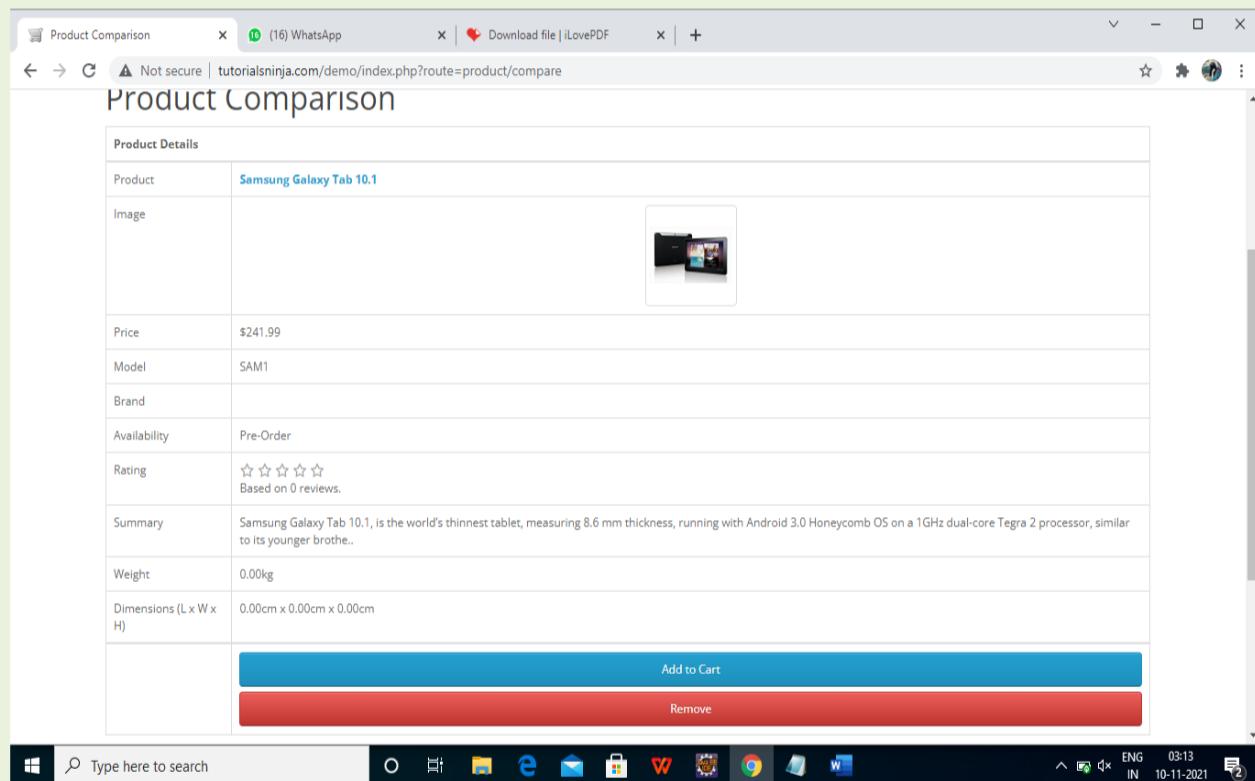


## TC37:- TO CHECK THE FUNCTIONALITY OF PRODUCT COMPARISION

### BUTTON OF TABLETS PAGE:-

```
w.findElement(By.id("compare-total")).click();
```

```
Thread.sleep(3000);
```



## TC38:- TO CHECK THE FUNCTIONALITY OF REMOVE BUTTON OF COMPARISION PAGE:-

```
w.findElement(By.linkText("Remove")).click();
```

Product Comparison

Not secure | tutorialsninja.com/demo/index.php?route=product/compare

Brand	
Availability	Pre-Order
Rating	☆☆☆☆☆ Based on 0 reviews.
Summary	Samsung Galaxy Tab 10.1, is the world's thinnest tablet, measuring 8.6 mm thickness, running with Android 3.0 Honeycomb OS on a 1GHz dual-core Tegra 2 processor, similar to its younger brother.
Weight	0.00kg
Dimensions (L x W x H)	0.00cm x 0.00cm x 0.00cm

Add to Cart

Remove

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Windows Type here to search O E W W Chrome 05:41 ENG IN 10-11-2021

## TC39:-TO CHECK THE FUNCTIONALITY OF CONTINUE BUTTON OF PRODUCT COMPARISION

`w.findElement(By.xpath("//*[@id='content']/div/div/a")).click();`

