PROJECT REPORT ON

AUTOMATION TESTING USING SELENIUM WEBDRIVER ON "DEMOBLAZE" WEBSITE.

BY

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UNDER THE GUIDANCE OF

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ACKNOWLEDGEMENT

I take this opportunity to express our profound gratitude and deep regards to our project guide and our support trainer **Mrs. Priyanka Desle** for her exemplary guidance, monitoring and constant encouragement throughout the project and the course. The help and guidance given by her time to time shall be benefit to us in our future projects as well.

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INTRODUCTION

1.1. THEORY BEHIND THE PROJECT:

- Software testing, an integral part of the development process for software applications that meet the highest standards of quality, can be a complex process, to say the least. With the increasing number of functionalities that applications today are bestowed with, not to mention the large number of platforms and browsers to account for, there is an ever-increasing possibility of bugs and issues going unnoticed. However, the highly competitive market scenario does not allow software developers the luxury of allowing products with even minor bugs to reach the market, as a product with issues will be outright rejected.
- In such a scenario, software developers have embraced automation testing to increase the efficiency of the testing process and to maximize test coverage. The best thing about automation is that it not just improves the quality of testing and makes it several times faster, but also reduces the cost involved.

1.2. AIM OF THE PROJECT:

- This project aims to do the overall Functional Testing on the website. It helps to improve the quality of the website and saves time from manually testing the website.

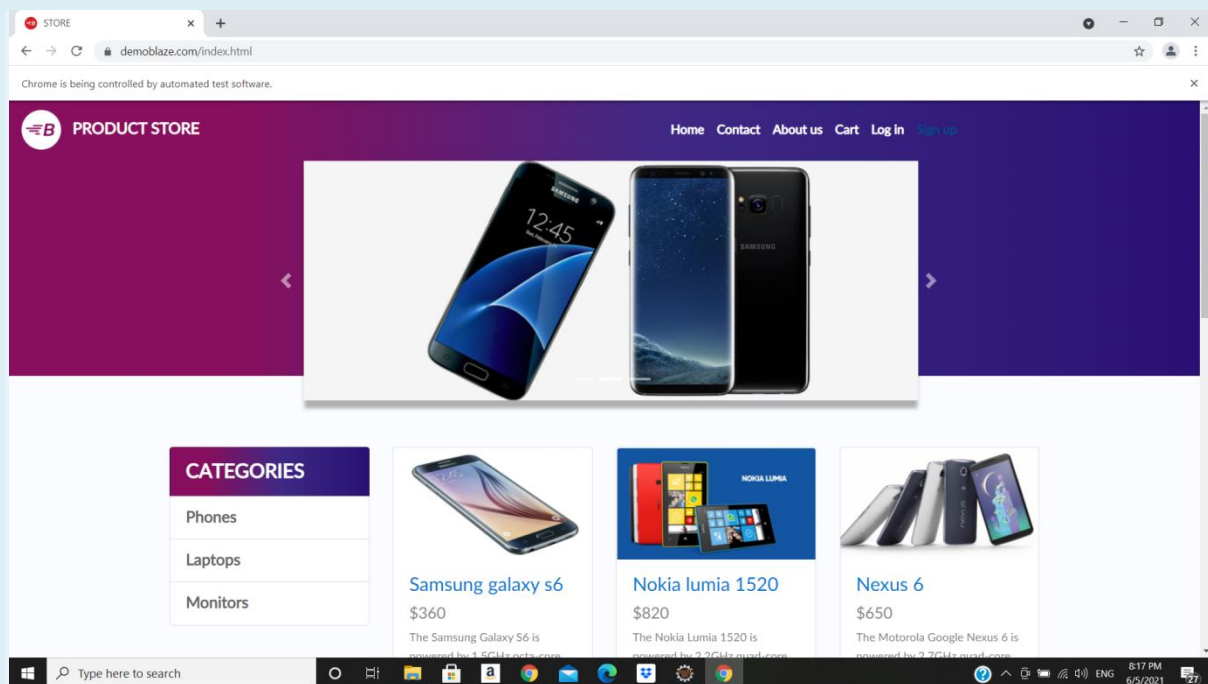## 1.3. SOFTWARE REQUIREMENTS:

- Operating System : Windows 10
- Browser   : Google Chrome (90.0.4430.212)
- Building Platform   : Eclipse IDE
- Front-end   : Language- Java
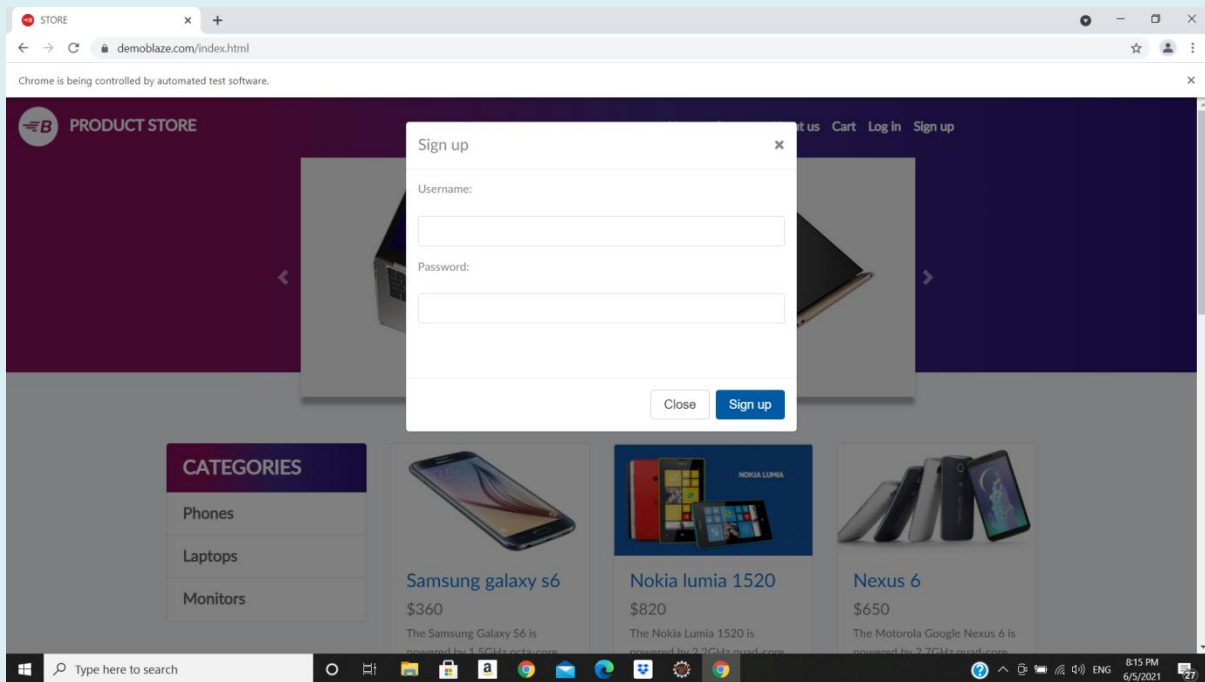   : Tool- Selenium WebDriver

TEST SCRIPTS

TC_01:To Launch the Browser and Open Demoblaze Website.

```
System.setProperty("webdriver.chrome.driver", "C:\\Users\\Ajay
Chaurasia\\Desktop\\Selenium jar\\chromedriver_win32\\chromedriver.exe");
WebDriver w=new ChromeDriver();

w.get("https://www.demoblaze.com/");

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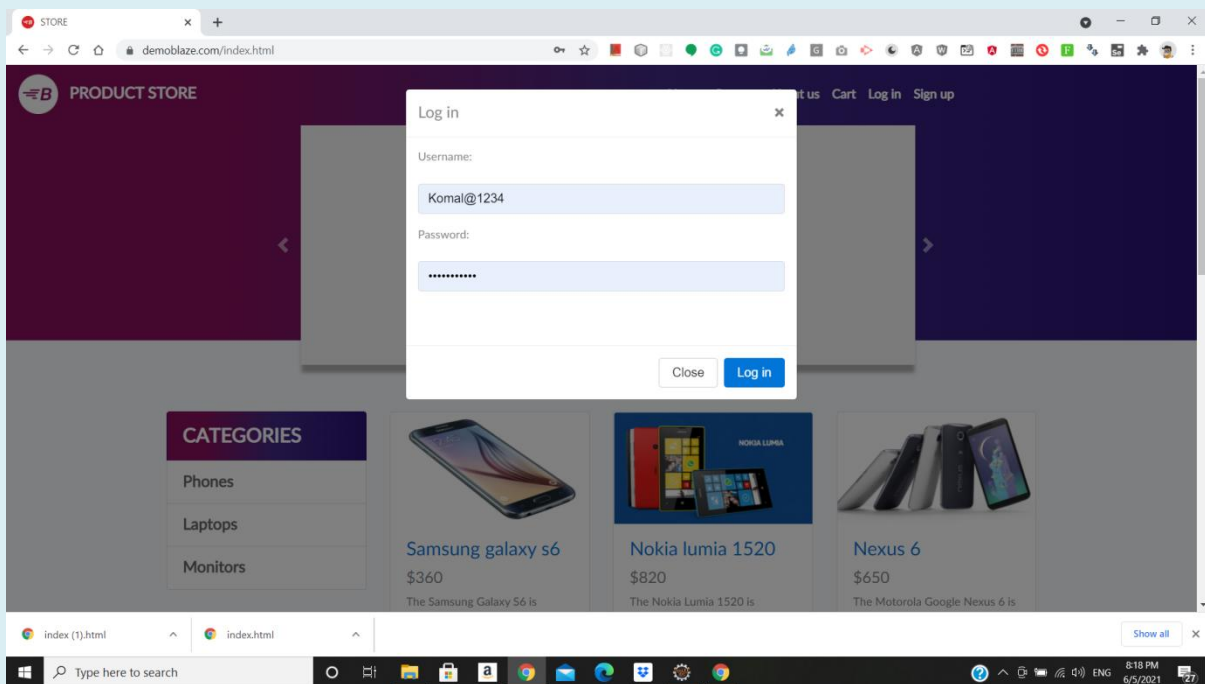

TC_02: To Sign-Up.

```
w.findElement(By.xpath("//a[@id='signin2']")).click();
w.findElement(By.xpath("//*[@id=\"sign-username\"]")).sendKeys("Komal@1234");
w.findElement(By.xpath("//input[@id='sign-
password']")).sendKeys("Khushi@1234");w.findElement(By.xpath("//button[contains(te
xt(),'Sign up')]")).click();
Thread.sleep(2000);
Alert a=w.switchTo().alert();
Thread.sleep(2000);
a.accept();
```
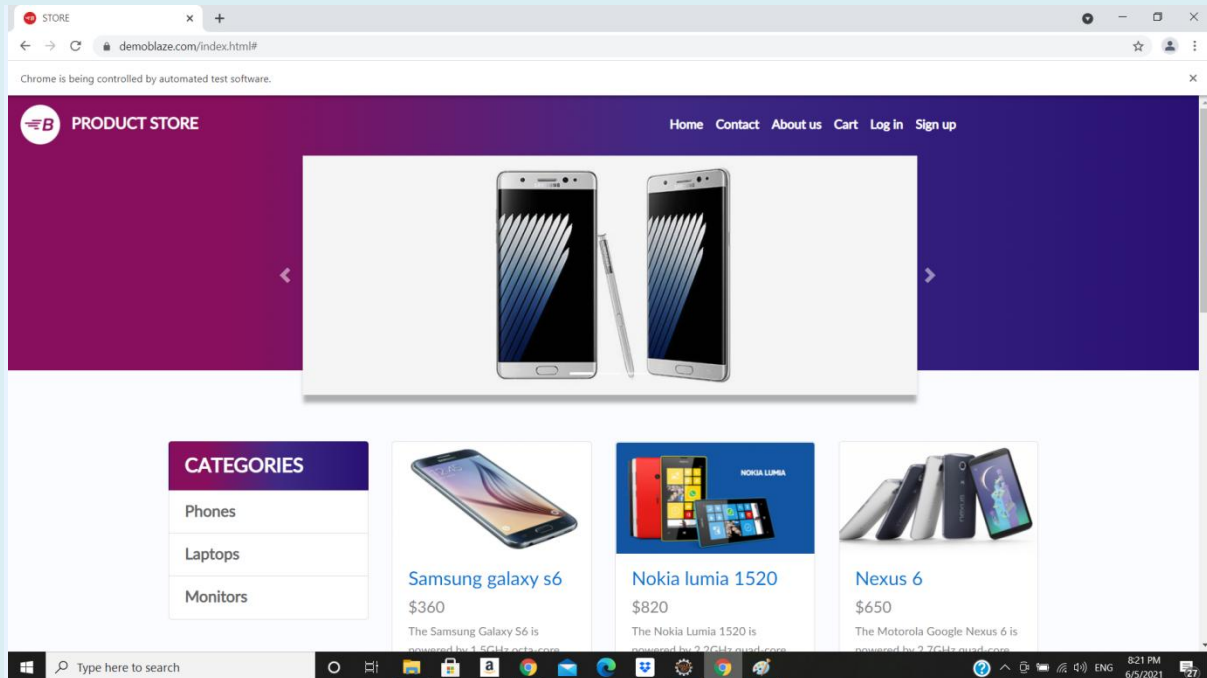
TC_03: To Login.

```
w.findElement(By.xpath("//a[@id='login2']")).click();
Thread.sleep(2000);
w.findElement(By.xpath("//input[@id='loginusername']")).sendKeys("Komal@1234");
w.findElement(By.xpath("//input[@id='loginpassword']")).sendKeys("Khushi@1234");
w.findElement(By.xpath("//button[contains(text(),'Log in')]")).click();
Thread.sleep(2000);
```

TC_04: To Check the functionality of Phones Button.
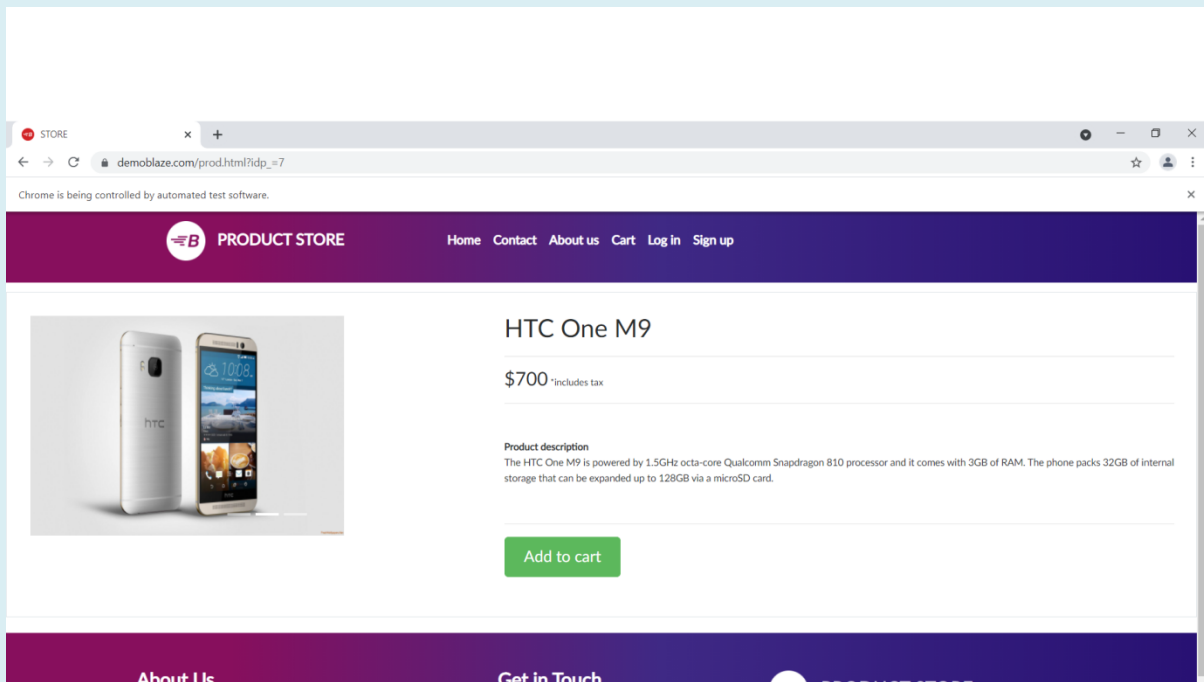
```
w.findElement(By.xpath("//a[contains(text(),'Phones')]")).click();
```


TC_05: To Scroll Down from Top to Bottom

```
JavascriptExecutor js=(JavascriptExecutor) w;
js.executeScript("window.scrollTo(0,2000)");
Thread.sleep(2000);
```

TC_06: To Check the functionality of HTC One M9 link.

```
w.findElement(By.xpath("//a[contains(text(),'HTC One M9')]")).click();
Thread.sleep(4000);
```
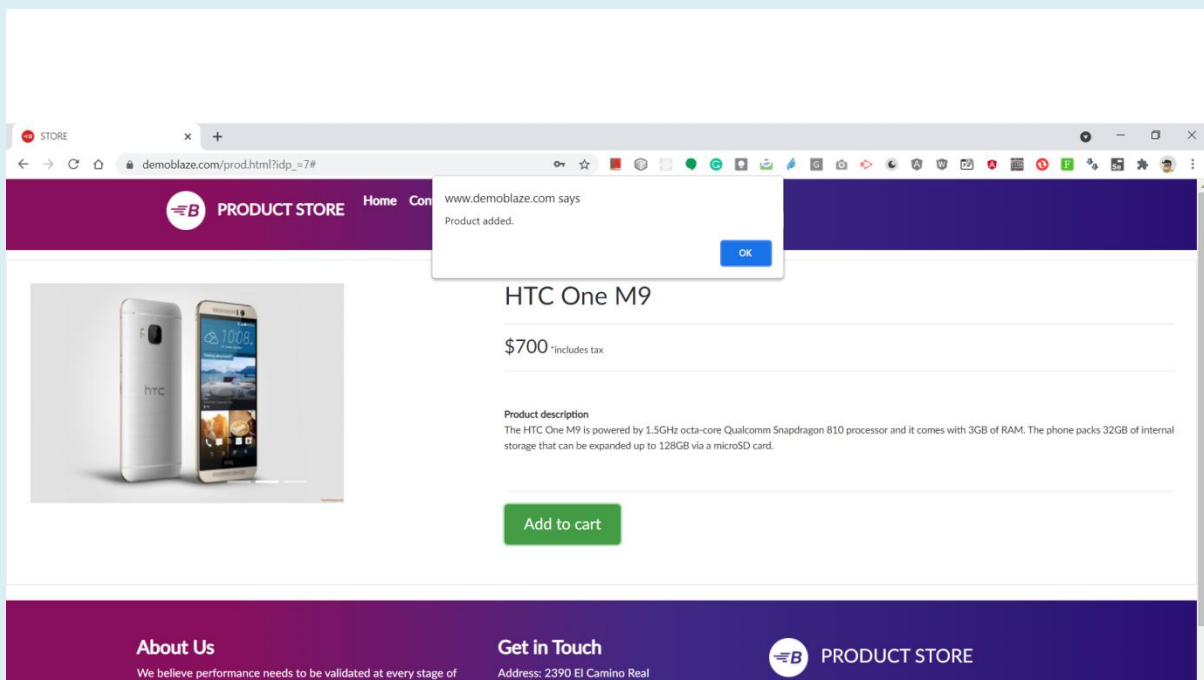
TC_07: To Check the functionality of Add to Cart Button.

```
w.findElement(By.partialLinkText("Add to ca")).click();
Thread.sleep(2000);
```
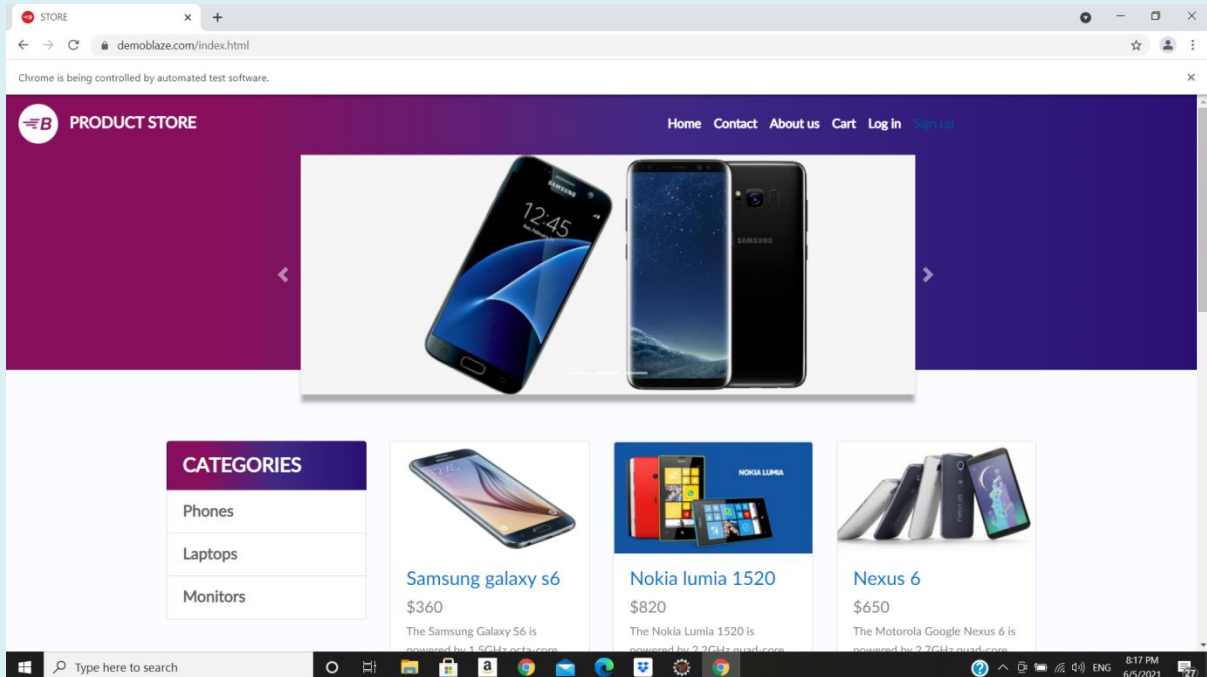
TC_08: To Accept the POP-UP Notification

```
Alert a=w.switchTo().alert();
a.accept();
```

TC_09: To Check the functionality of Home Button.

```
w.findElement(By.xpath("//body/nav[1]/div[1]/div[1]/ul[1]/li[1]/a[1]")).click();
```


TC_10: To Check the functionality of '<' Button.

```
w.findElement(By.xpath("//body/nav[@id='narvbarx']/div[@id='contcar']/div[@id='carouselExampleIndicators']/a[2]/span[1]")).click();

w.findElement(By.xpath("//body/nav[@id='narvbarx']/div[@id='contcar']/div[@id='carouselExampleIndicators']/a[2]/span[1]")).click();

w.findElement(By.xpath("//body/nav[@id='narvbarx']/div[@id='contcar']/div[@id='carouselExampleIndicators']/a[2]/span[1]")).click();

w.findElement(By.xpath("//body/nav[@id='narvbarx']/div[@id='contcar']/div[@id='carouselExampleIndicators']/a[2]/span[1]")).click();
```
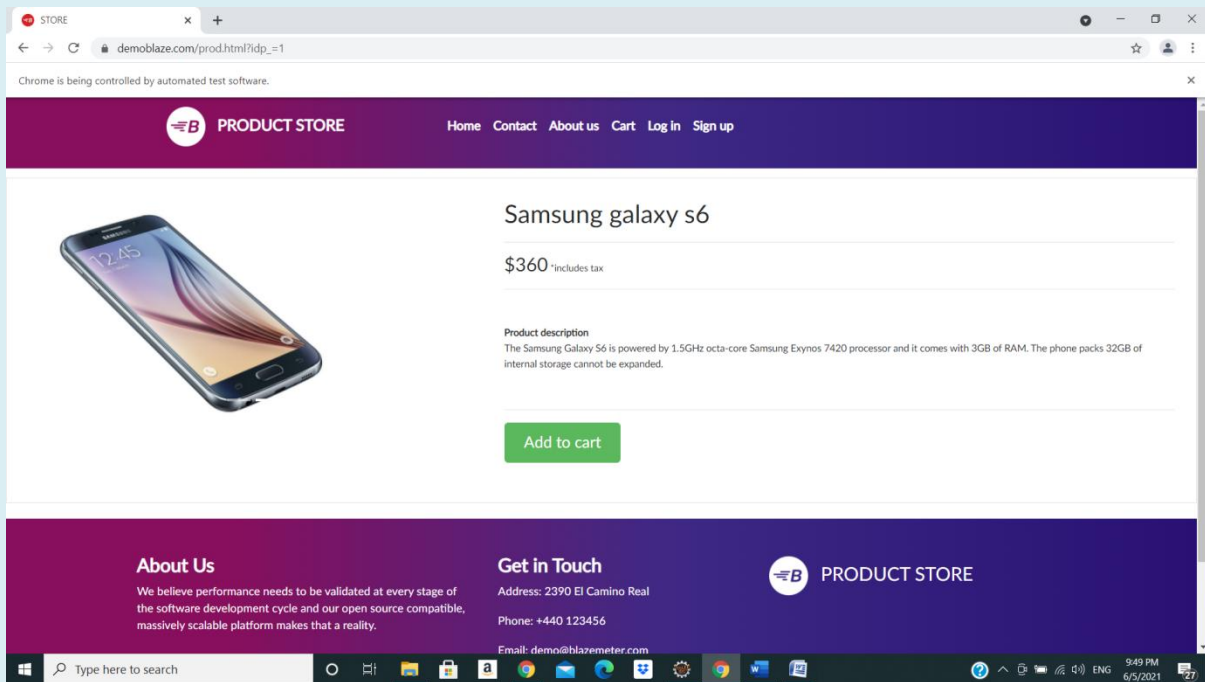
TC_11: To Check the functionality of Samsung Galaxy s6 link.

```
w.findElement(By.linkText("Samsung galaxy s6")).click();
Thread.sleep(2000);
```
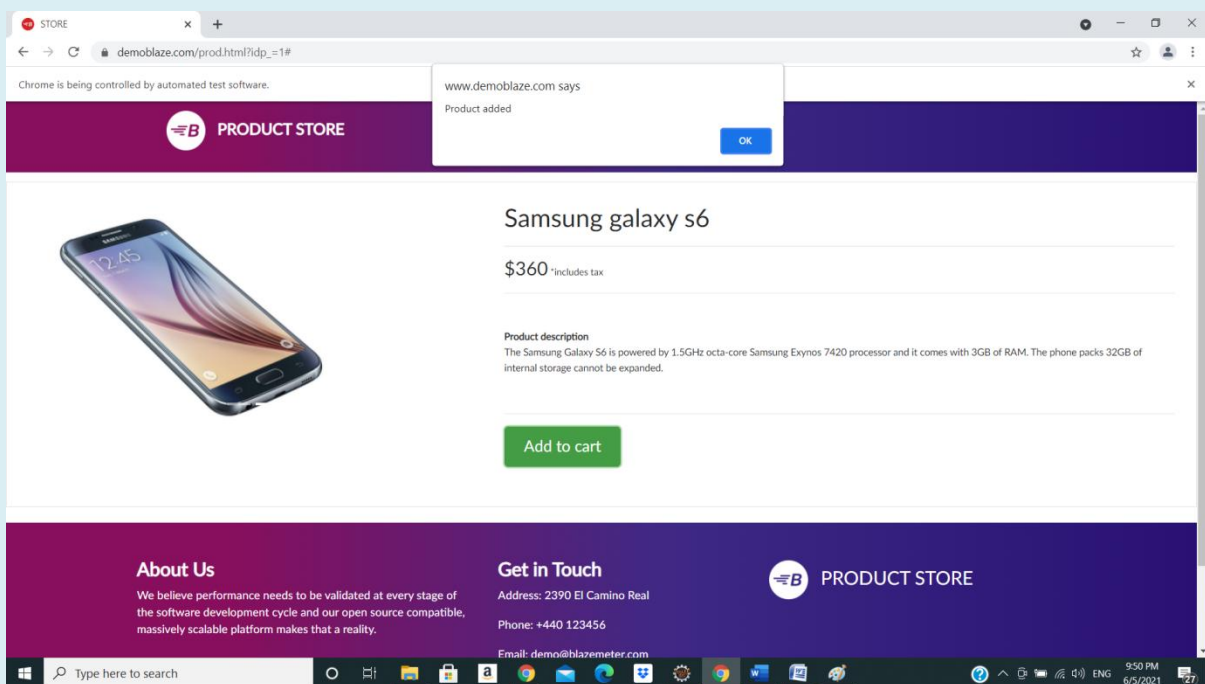
TC_12: To Check the functionality of Add to Cart Button.

```
w.findElement(By.xpath("//a[contains(text(),'Add to cart')]")).click();
```
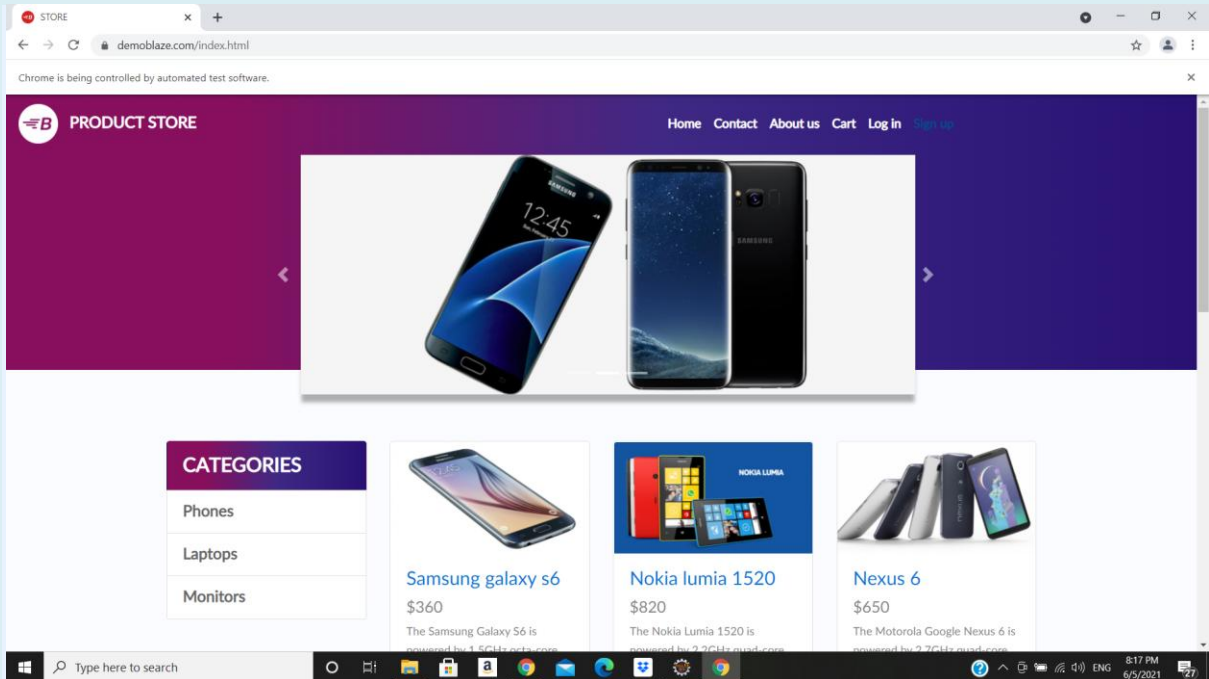
TC_13: To Accept POP-UP Notification.

```
Alert a4=w.switchTo().alert();
a4.accept();
```
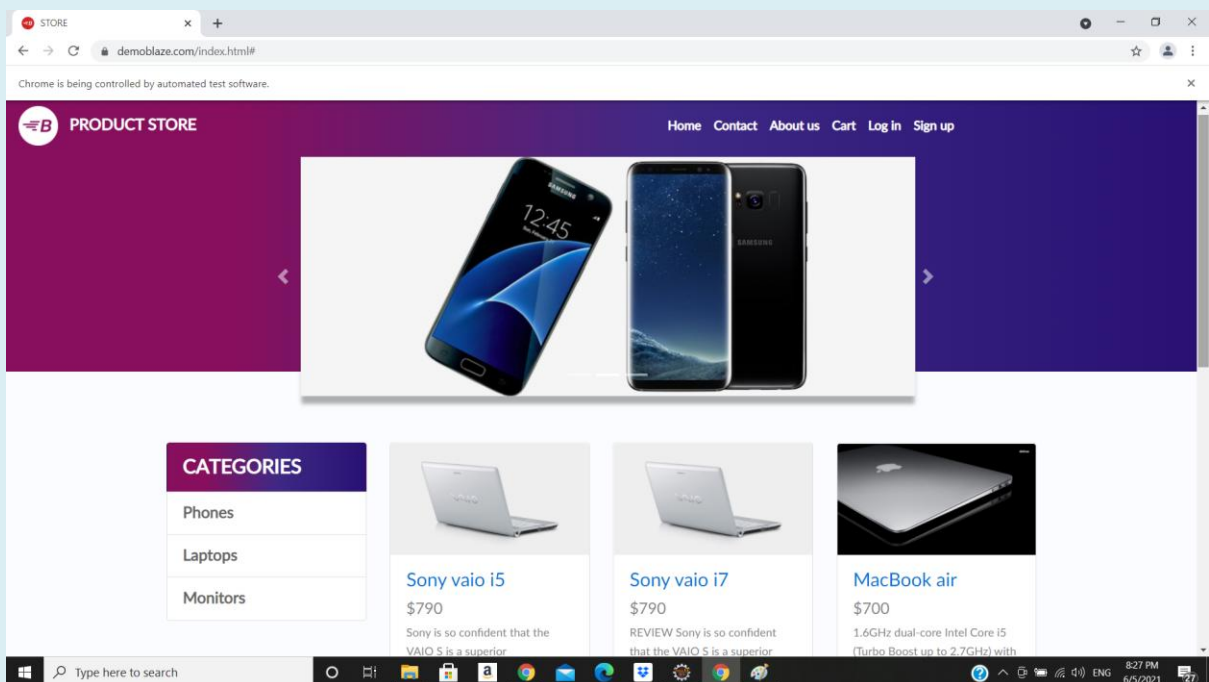
TC_14: To Check the functionality of Logo Button.

```
w.findElement(By.xpath("//body/nav[1]/div[1]/a[1]/img[1]")).click();
```


TC_15: To Check the functionality of Laptops Button.

```
w.findElement(By.linkText("Laptops")).click();
```
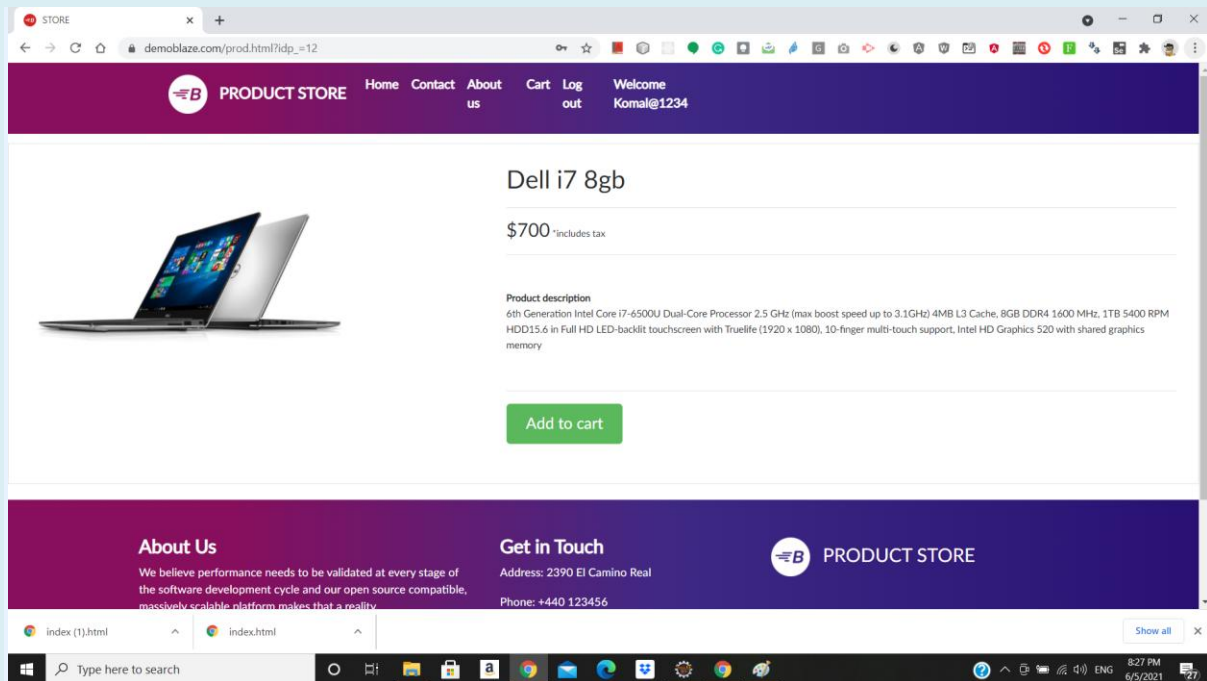
TC_16: To Scroll Down from Top to Bottom

```
js.executeScript("window.scrollTo(0,document.body.scrollHeight)");
```

TC_17: To Check the functionality of Dell i7 8gb link.

```
w.findElement(By.linkText("Dell i7 8gb")).click();
```
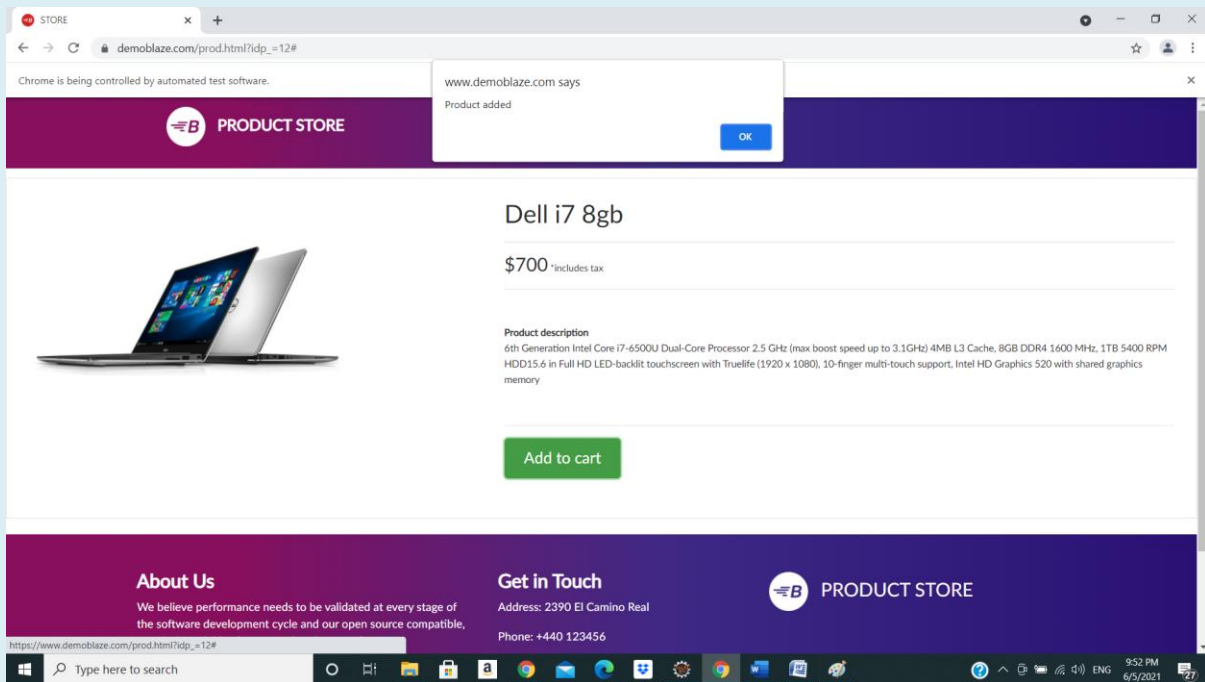

TC_18: To Check the functionality of Add to Cart Button

```
w.findElement(By.xpath("//a[contains(text(),'Add to cart')]")).click();
```

TC_19: To Accept the POP-UP Notification.

```
Alert a5=w.switchTo().alert();
a5.accept();
```
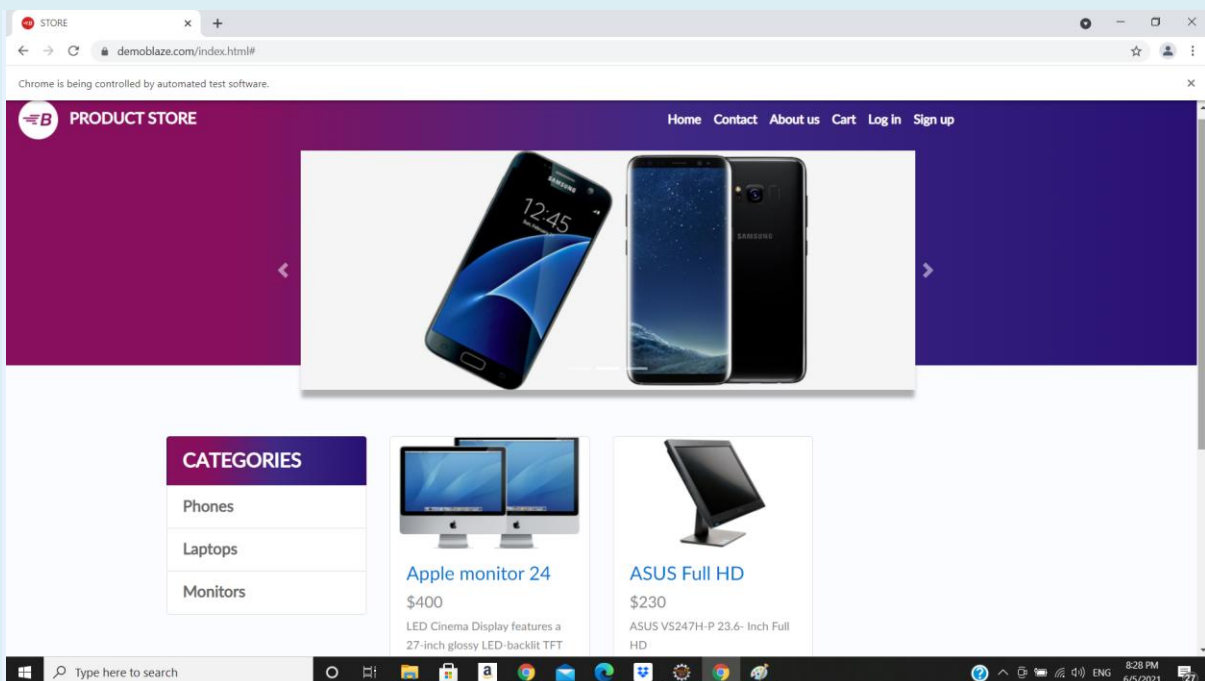
TC_20: To Check the functionality Logo Button.

```
w.findElement(By.xpath("//body/nav[1]/div[1]/a[1]/img[1]")).click();
```

TC_21: To check the functionality of Monitors Button.

```
w.findElement(By.linkText("Monitors")).click();
```
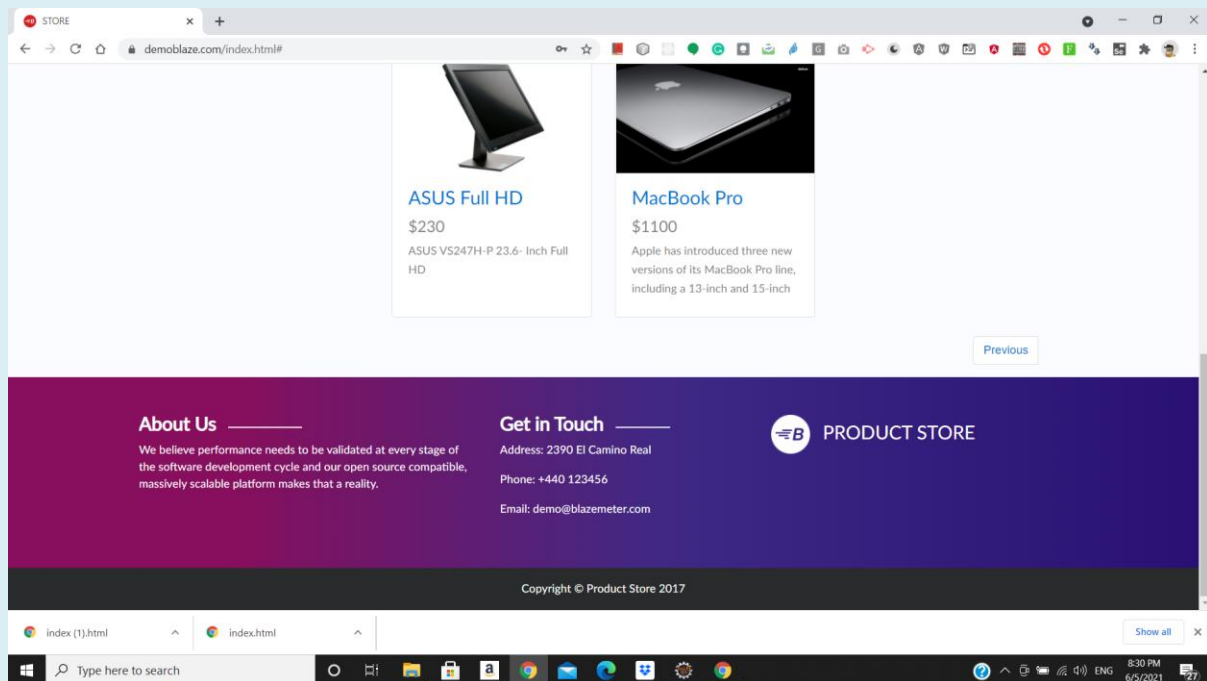
TC_22: To Scroll Down from Top to Buttom.

```
js.executeScript("window.scrollTo(0,document.body.scrollHeight)");
Thread.sleep(2000);
```
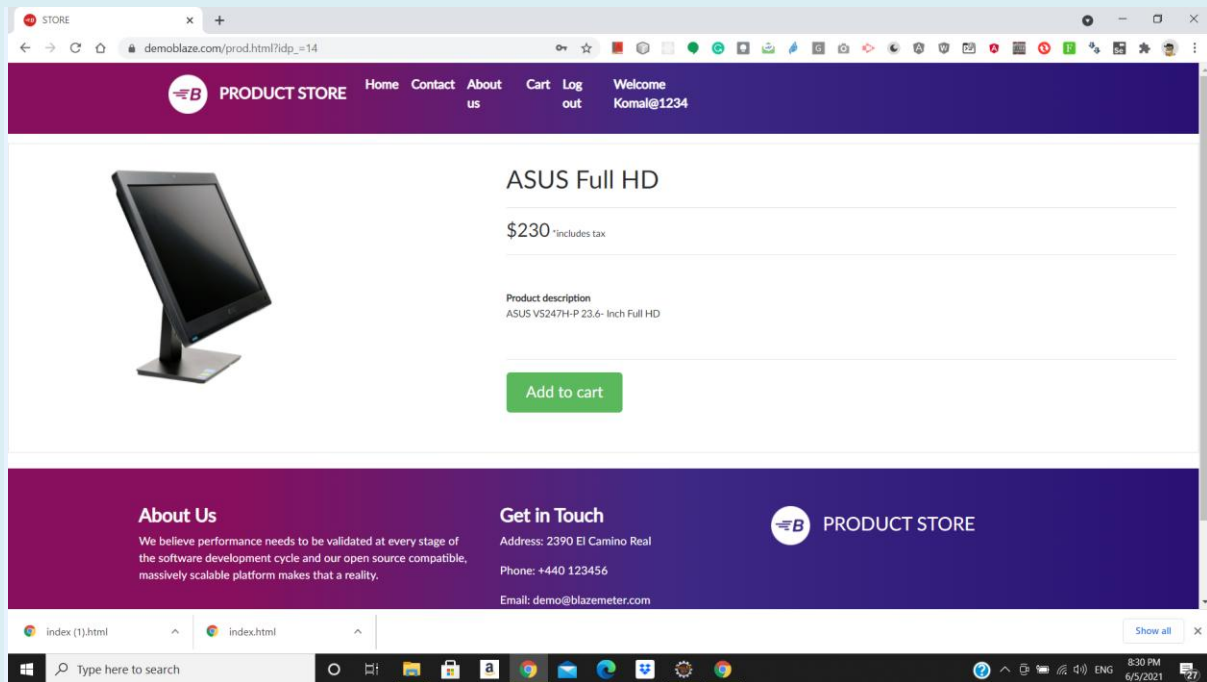
TC_23: To check the functionality of Next Button.

```
w.findElement(By.xpath("//button[@id='next2']")).click();
```


TC_24: To check the functionality of ASUS Full HD link.

```
w.findElement(By.linkText("ASUS Full HD")).click();
Thread.sleep(2000);
```
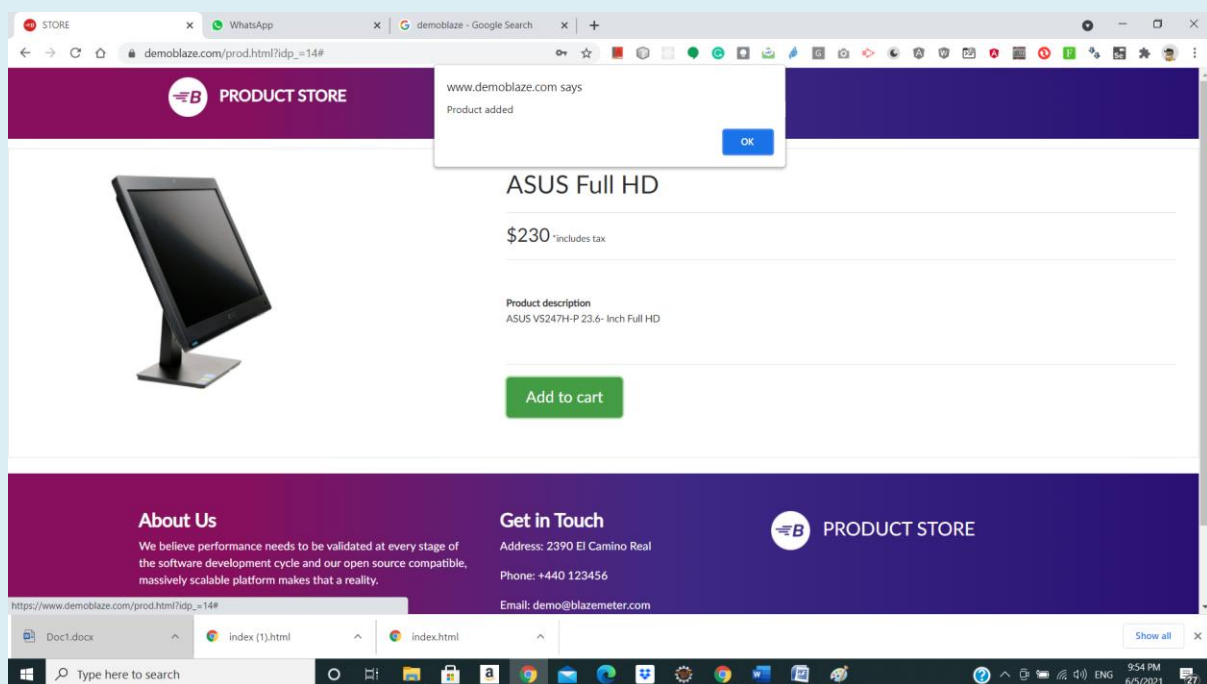
TC_24: To check the functionality of Add to Cart Button.

```
w.findElement(By.xpath("//a[contains(text(),'Add to cart')]")).click();
```

TC_25: To accept the POP-UP Notification.

```
Alert a6=w.switchTo().alert();
a6.accept();
```
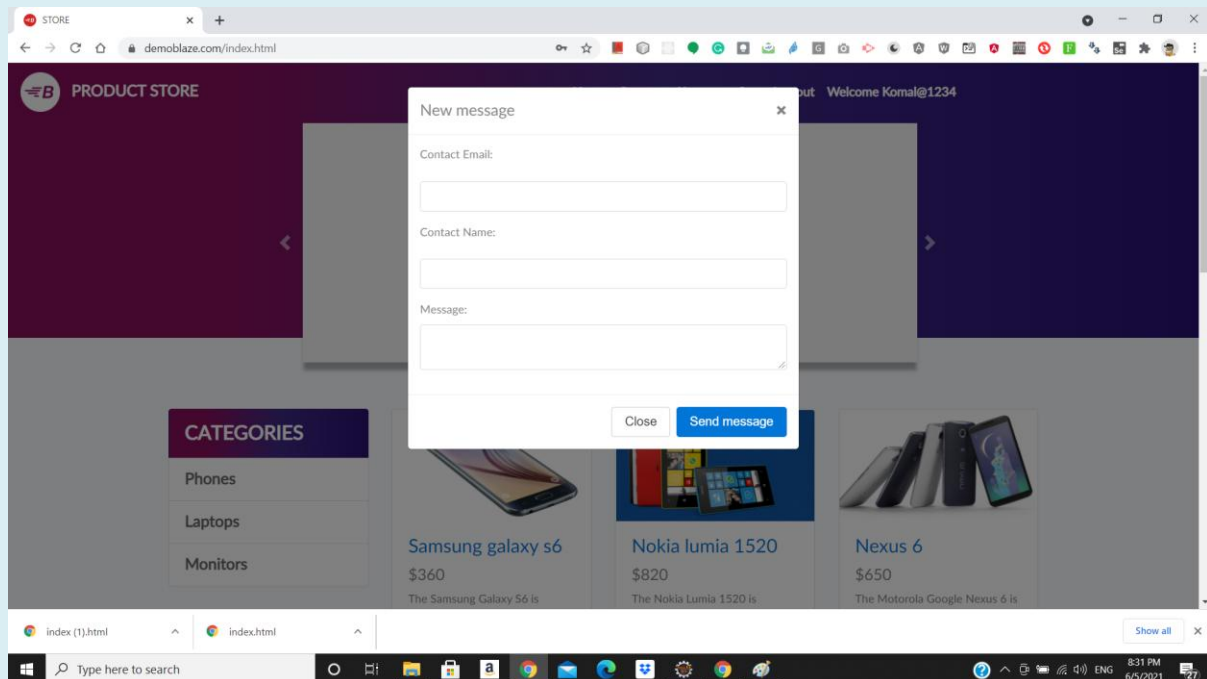
TC_25: To check the functionality of Logo Button.

```
w.findElement(By.xpath("//body/nav[1]/div[1]/a[1]/img[1]")).click();
```
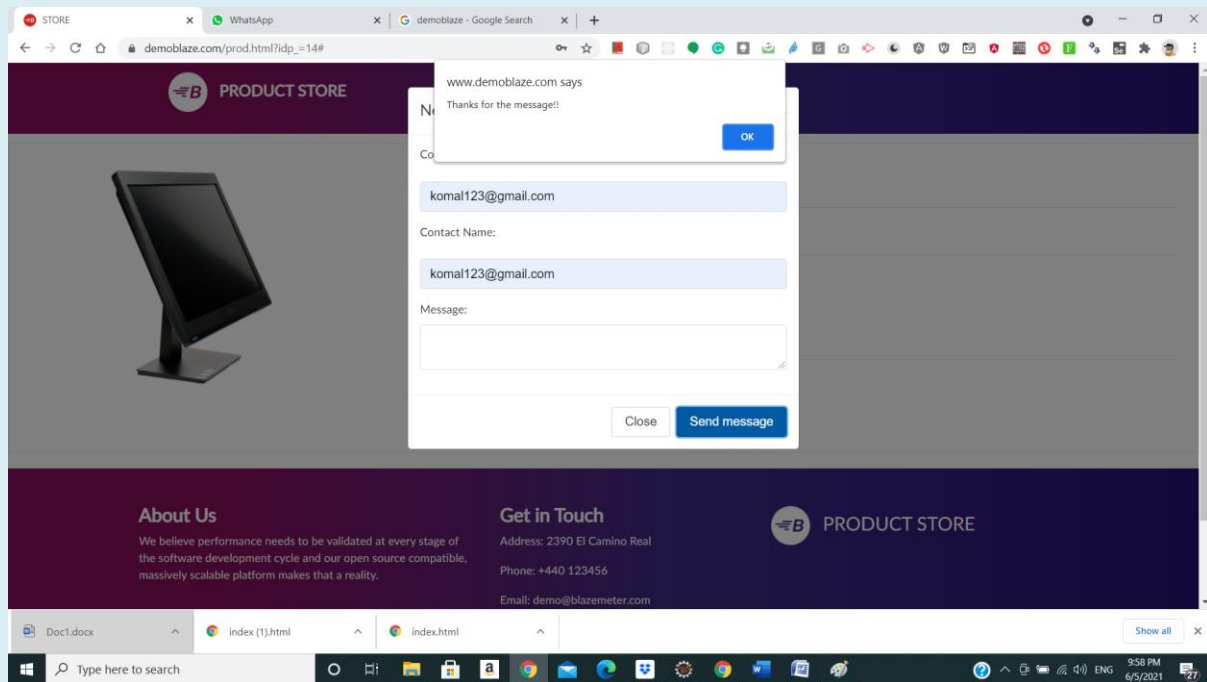
TC_26: To check the functionality of Contact Button.

```
w.findElement(By.xpath("//body/nav[@id='narvbarx']/div[@id='navbarExample']/ul[1]/
li[1]/a[1]")).click();
w.findElement(By.xpath("//a[contains(text(),'Contact')]")).click();
Thread.sleep(2000);
w.findElement(By.xpath("//input[@id='recipient-
email']")).sendKeys("Komal@gmail.com");
w.findElement(By.xpath("//input[@id='recipient-name']")).sendKeys("5586597546");
w.findElement(By.xpath("//textarea[@id='message-text']")).sendKeys("Hello world");
```


TC_27: To Check the functionality of Send Message Button.

```
w.findElement(By.xpath("//button[contains(text(),'Send message')]")).click();
```
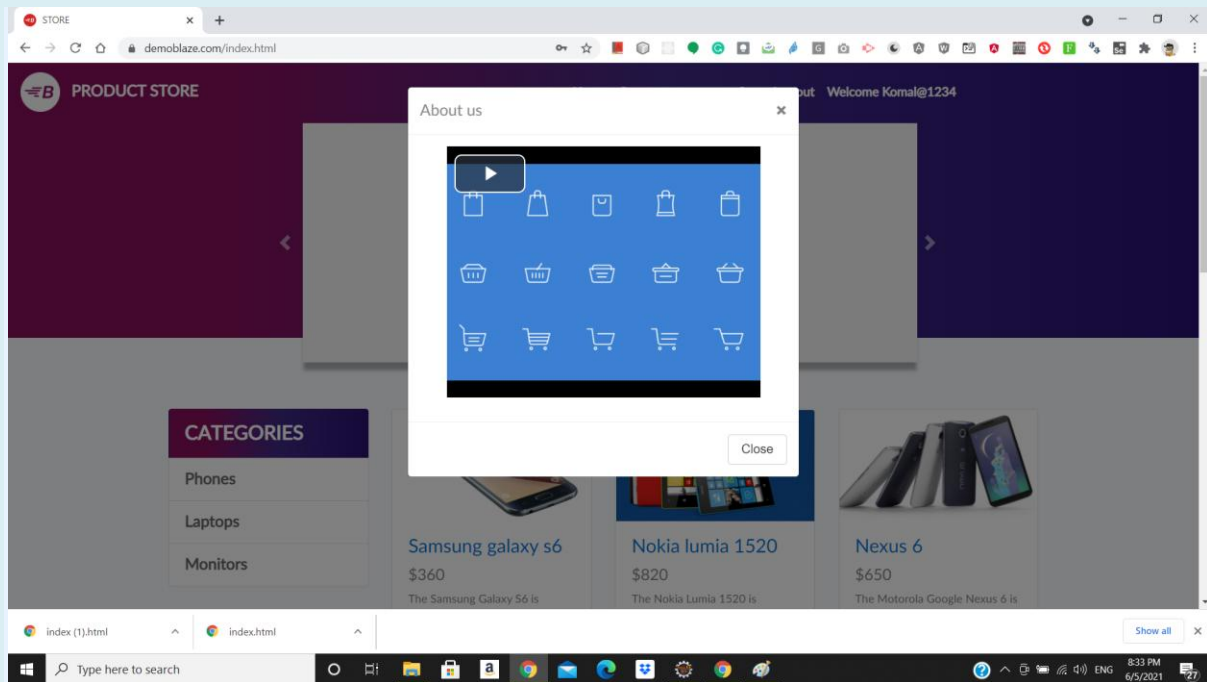
TC_28: To Accept POP-UP Notification.

```
Alert a2=w.switchTo().alert();
Thread.sleep(2000);
a2.accept();
```

TC_28: To Check the functionality of About Us Botton

```
w.findElement(By.xpath("//a[contains(text(),'About us')]")).click();
Thread.sleep(2000);
```
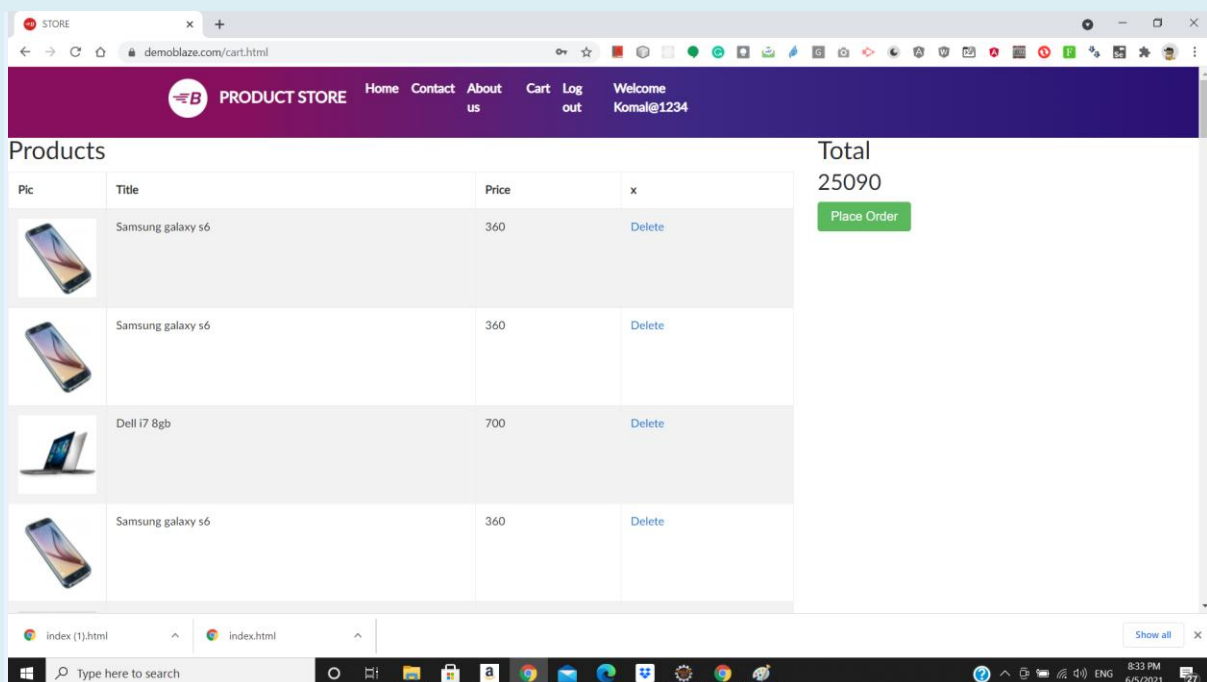
TC_29: To Check the functionality of 'X' Button.

```
w.findElement(By.xpath("//body/div[@id='videoModal']/div[1]/div[1]/div[3]/button[1]")).click();
```
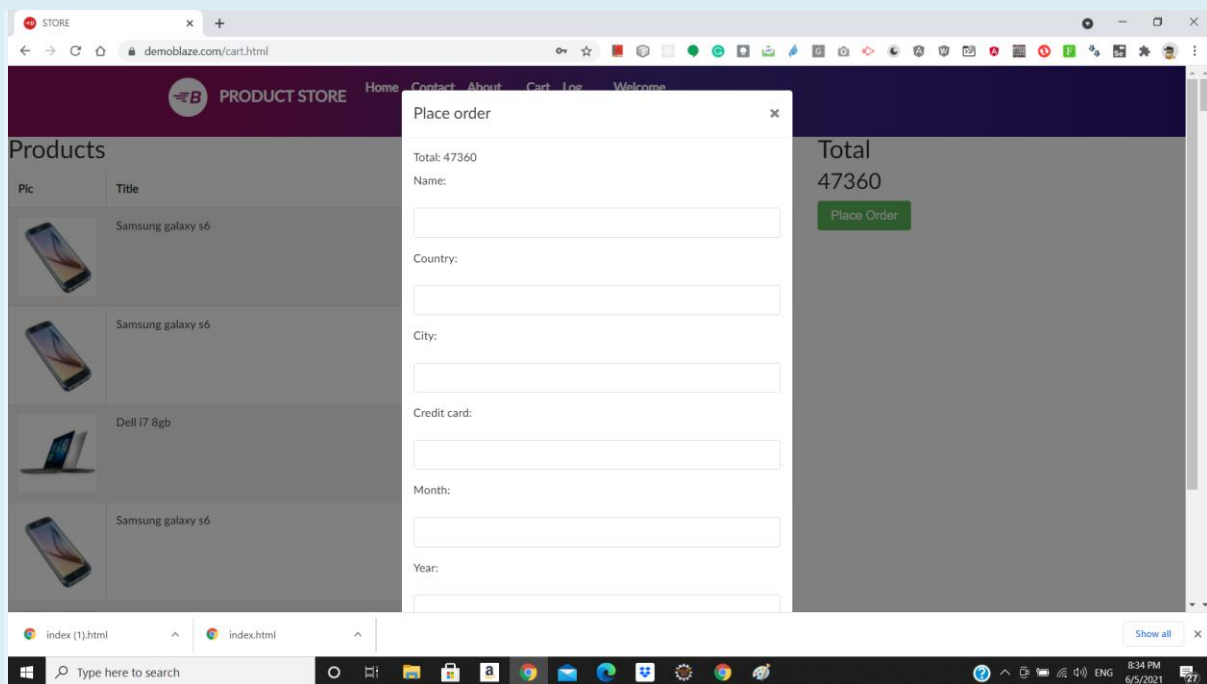
TC_29: To Check the functionality of Cart Button.

```
w.findElement(By.xpath("//a[@id='cartur']")).click();
Thread.sleep(1000);
```
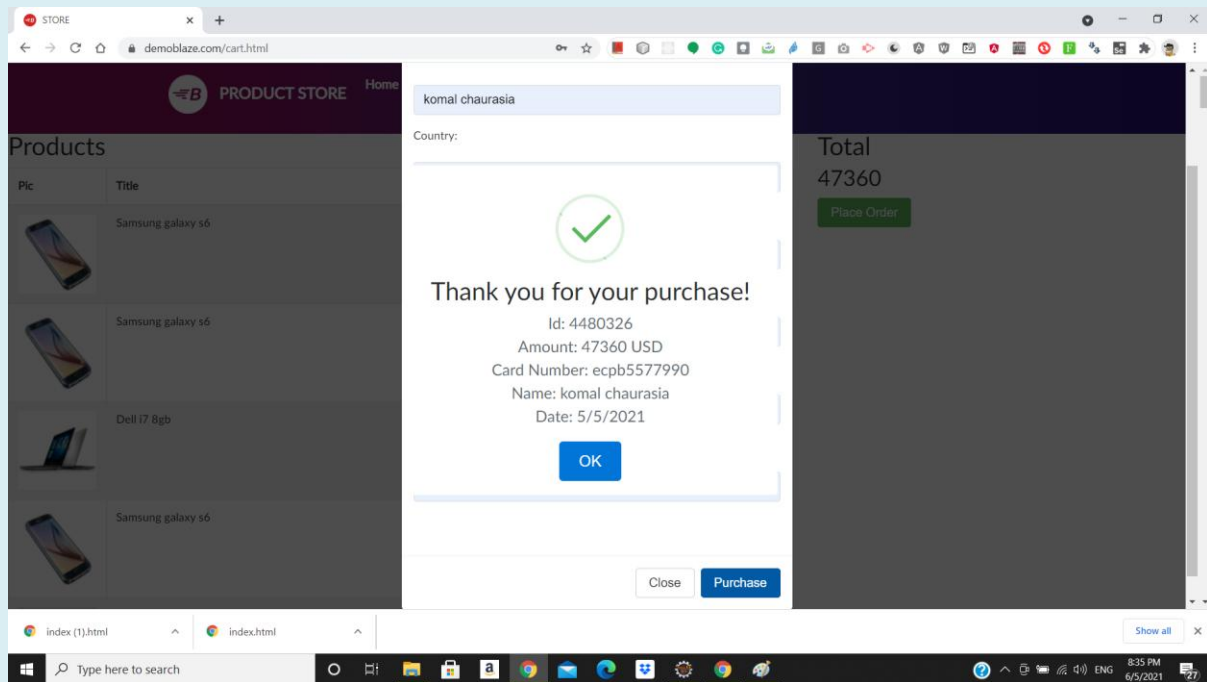
TC_30: To Check the functionality of Place Order Button

```
w.findElement(By.xpath("//button[contains(text(),'Place Order')]")).click();
Thread.sleep(4000);
w.findElement(By.xpath("/html[1]/body[1]/div[3]/div[1]/div[1]/div[2]/form[1]/div[1
]/input[1]")).sendKeys("Komal");
Thread.sleep(2000);
w.findElement(By.xpath("//input[@id='country']")).sendKeys("India");
w.findElement(By.xpath("//input[@id='city']")).sendKeys("Thane");
w.findElement(By.xpath("//input[@id='card']")).sendKeys("ECPV2467854");
w.findElement(By.xpath("//input[@id='month']")).sendKeys("January");
w.findElement(By.xpath("//input[@id='year']")).sendKeys("2021");
w.findElement(By.xpath("//input[@id='name']")).click();
```


TC_30: To Check the functionality of Purchase Button.

```
w.findElement(By.xpath("//button[contains(text(),'Purchase')]")).click();
```
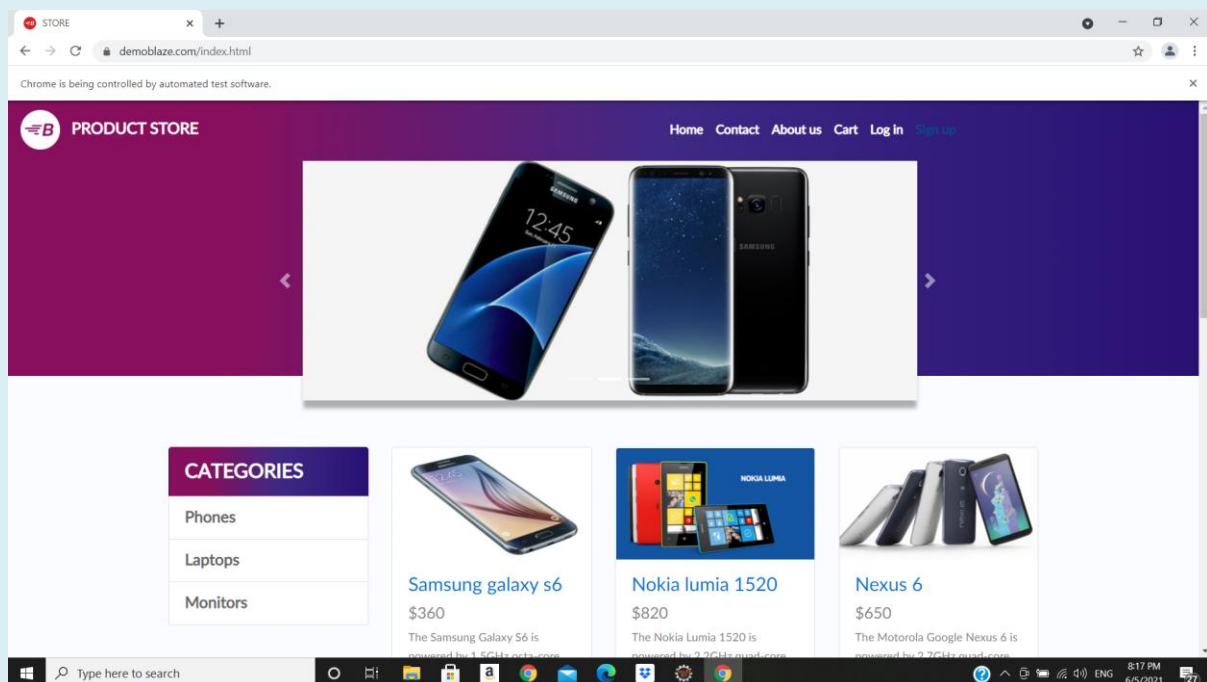
TC_31: To Accept the POP-UP Notification.

```java
w.findElement(By.xpath("//button[contains(text(),'OK')]")).click();
w.navigate().back();
Thread.sleep(2000);
```

TC_32: To Check the functionality of Logout Button

```java
w.findElement(By.xpath("//a[@id='logout2']")).click();
```
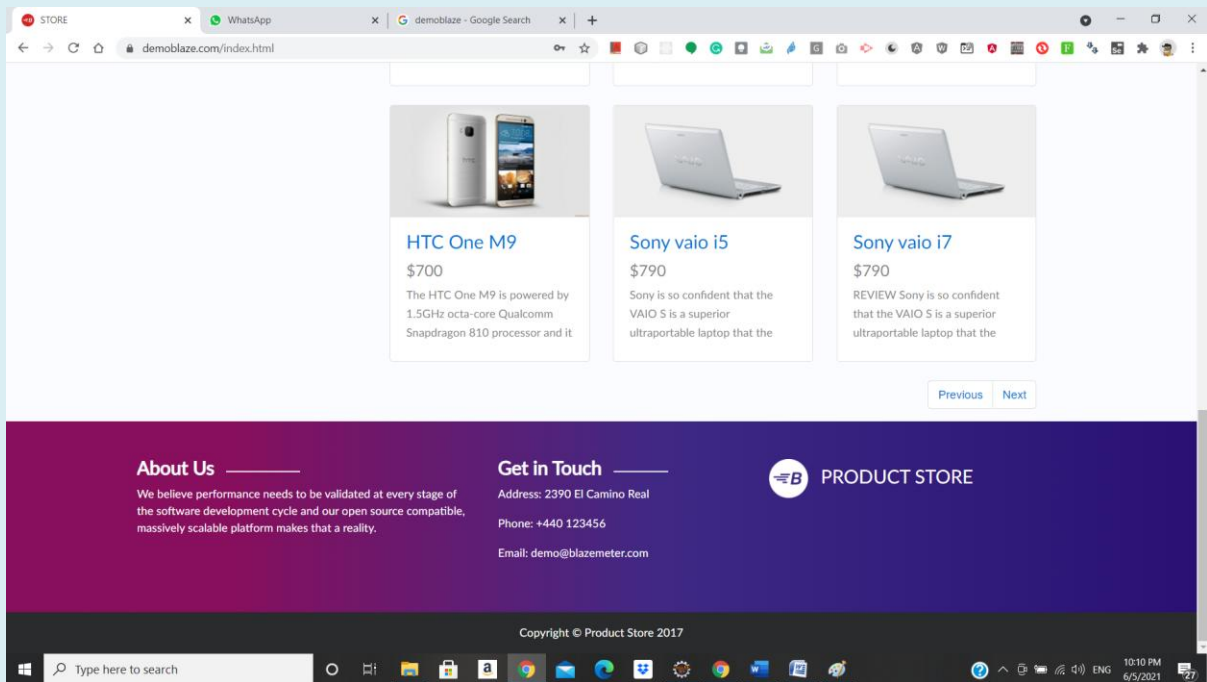
Bugs/Defects found in locators:

LinkText locator for all products Add to Cart Button is same that's why locators are not found and it gives error.

Suggestions:

When we click on any category like Phones then that Category should be converted to some colour so that it's easy to know under which category the current webpage is.

Wishlist functionality should be available in the website.

Downside there should be Hyperlinks for Email, Contacts and other details.

Execution: