



A Project Report
On
AUTOMATION TESTING
ON
MYNTRA WEBSITE
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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 10

Browser: Latest version of Chrome

IDE: Eclipse IDE

Automation Tool: Selenium WebDriver

Front-end: Java

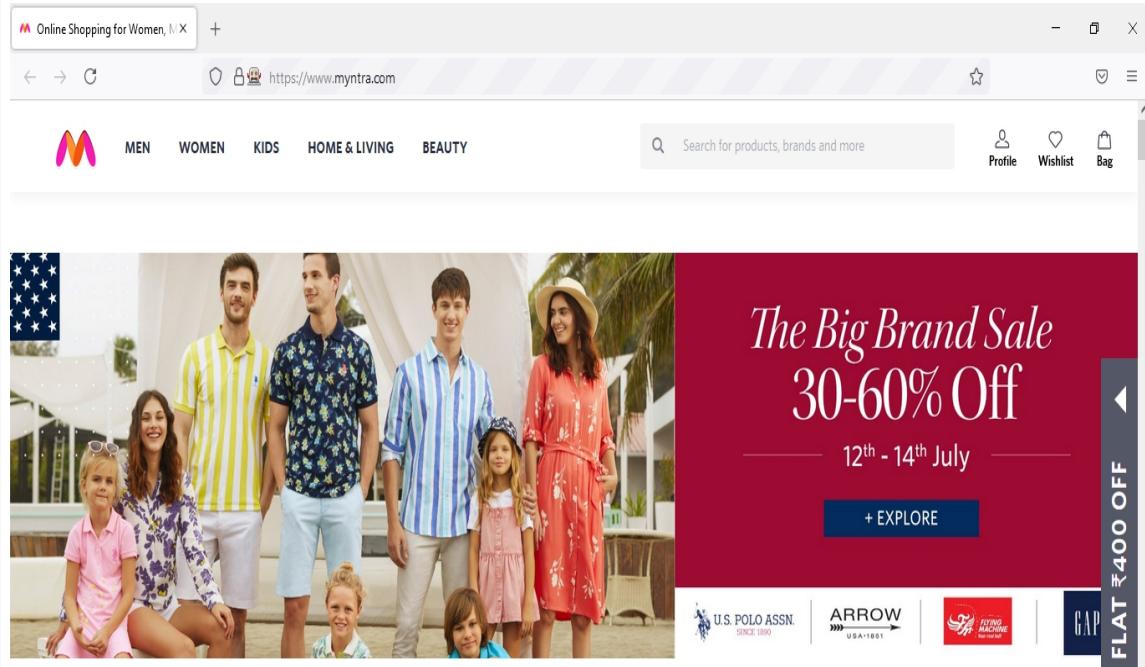
SELENIUM WEBDRIVER CODING

TC_01. To Launch the Browser:

```
System.setProperty("webdriver.gecko.driver",
                   "C:\\\\Users\\\\amol\\\\Desktop\\\\Sonali\\\\selenium
jar\\\\geckodriver-v0.29.1-win64\\\\geckodriver.exe");
WebDriver driver=new FirefoxDriver();
```

TC_02. To check the functionality of Open Url:

```
driver.get("http://www.myntra.com");
```



DEALS OF THE DAY



TC_03. To check the name of current Url

```
System.out.println(driver.getCurrentUrl());
```

Output:

<https://www.myntra.com/>

The screenshot shows the Eclipse IDE interface. The code editor displays a Java file named LoginToMyntra.java with the following content:

```
8 <terminated> LoginToMyntra [Java Application] C:\Users\amol\p2\pool\plugins\org.eclipse.jdt.core\1.15.0.20210201-0955\jre\bin\javaw.exe
9
10 s) {
11 ub
12 cko.dr:console.warn: SearchSettings: "get: No settings file exists, new profile?" (new NotFoundError("Could n
13 p\Son:1626321986825 Marionette INFO Listening on port 62465
14 Driver1626321987686 Marionette WARN TLS certificate errors will be ignored for this session
15 Jul 15, 2021 9:36:27 AM org.openqa.selenium.remote.ProtocolHandshake createSession
16 INFO: Detected dialect: W3C
17 a.com":https://www.myntra.com/
18 Online Shopping for Women, Men, Kids Fashion & Lifestyle - Myntra
19 <
20 tCurrenturi();
21
22 page
23 tTitle();
24
25 sing Mousehover
26 );
27 lement(By.xpath("//html/body/div[1]/div/div/header/div[2]/div/div[1]/span[2]")).perform();
28 ody/div[1]/div/div/header/div[2]/div[2]/div/div[2]/div[2]/div[1]/a").click();
29
30
31 ody/div[2]/div/div[2]/div[3]/div[2]/div/div[1]/div/div/div[2]/div[1]/input").sendKeys("913094479
32 mitBottomOption").click();
33
34 t otp, this process cant done using Automation.so Entering Otp action perform manually
35
36
37
38
```

The Java console tab shows the execution log:

```
1626321976104 geckodriver INFO Listening on 127.0.0.1:38980
1626321976728 mozrunner::runner INFO Running command: "C:\Program Files\Mozilla Firefox\1626321978576 Marionette INFO Marionette enabled
1626321986825 Marionette INFO Listening on port 62465
1626321987686 Marionette WARN TLS certificate errors will be ignored for this session
Jul 15, 2021 9:36:27 AM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
a.com":https://www.myntra.com/
Online Shopping for Women, Men, Kids Fashion & Lifestyle - Myntra
```

The system tray at the bottom of the screen shows the Windows taskbar with various icons and system status information.

TC_04. To check the Title of current page

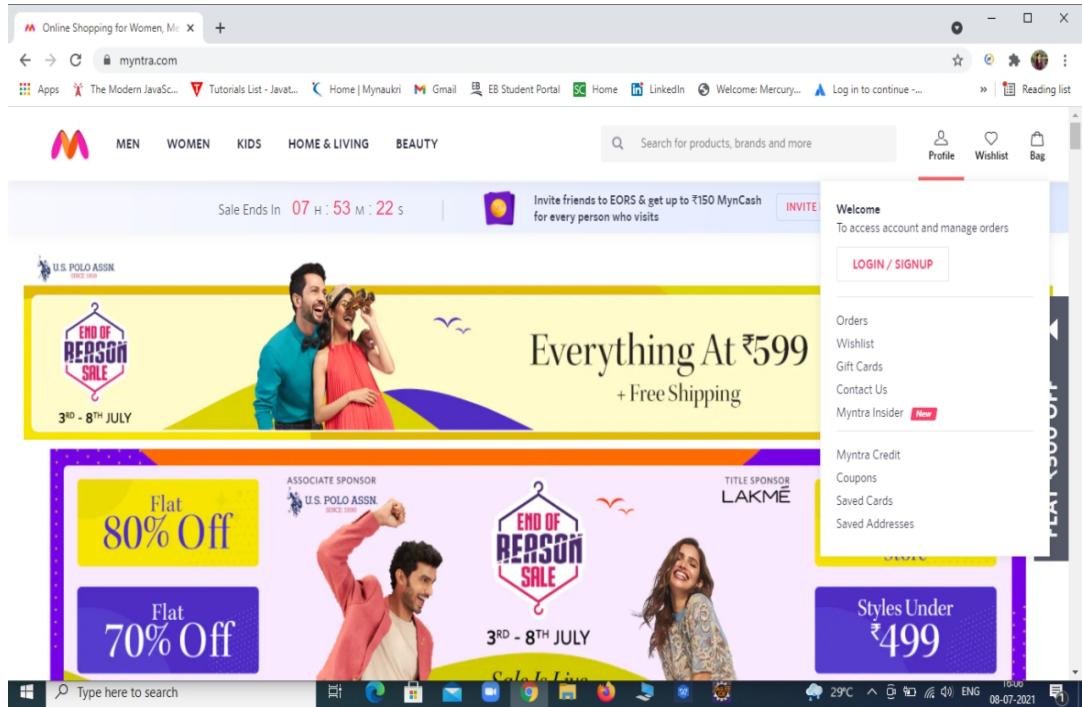
```
System.out.println(driver.getTitle());
```

Output:

Online Shopping for Women, Men, Kids Fashion & Lifestyle – Myntra

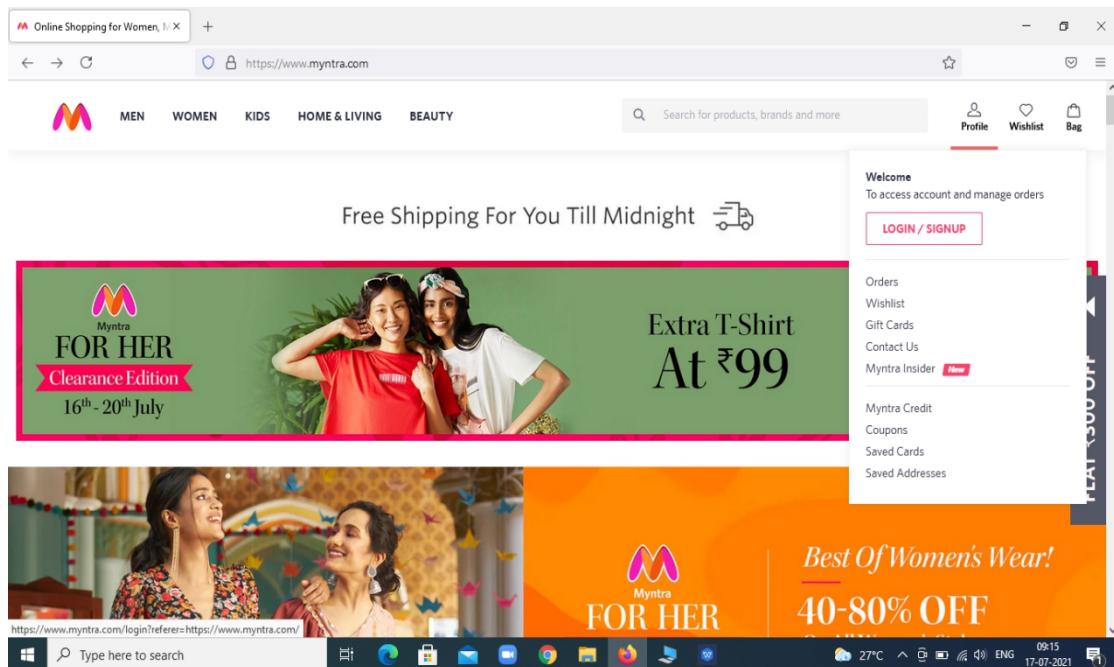
TC_05. To check the functionality of going to Profile icon by using Mousehover

```
Actions a=new Actions(driver);
a.moveToElement(driver.findElement(By.xpath("/html/body/div[1]/div/div/header/div[2]/div[2]/div/div[1]/span[2]"))).perform();
```



TC_06. To check the functionality of Selecting Login Button

```
driver.findElement(By.xpath("//html/body/div[1]/div/div/header/div[2]/div[2]/div/div[2]/div[2]/div[2]/div[1]/a")).click();
```

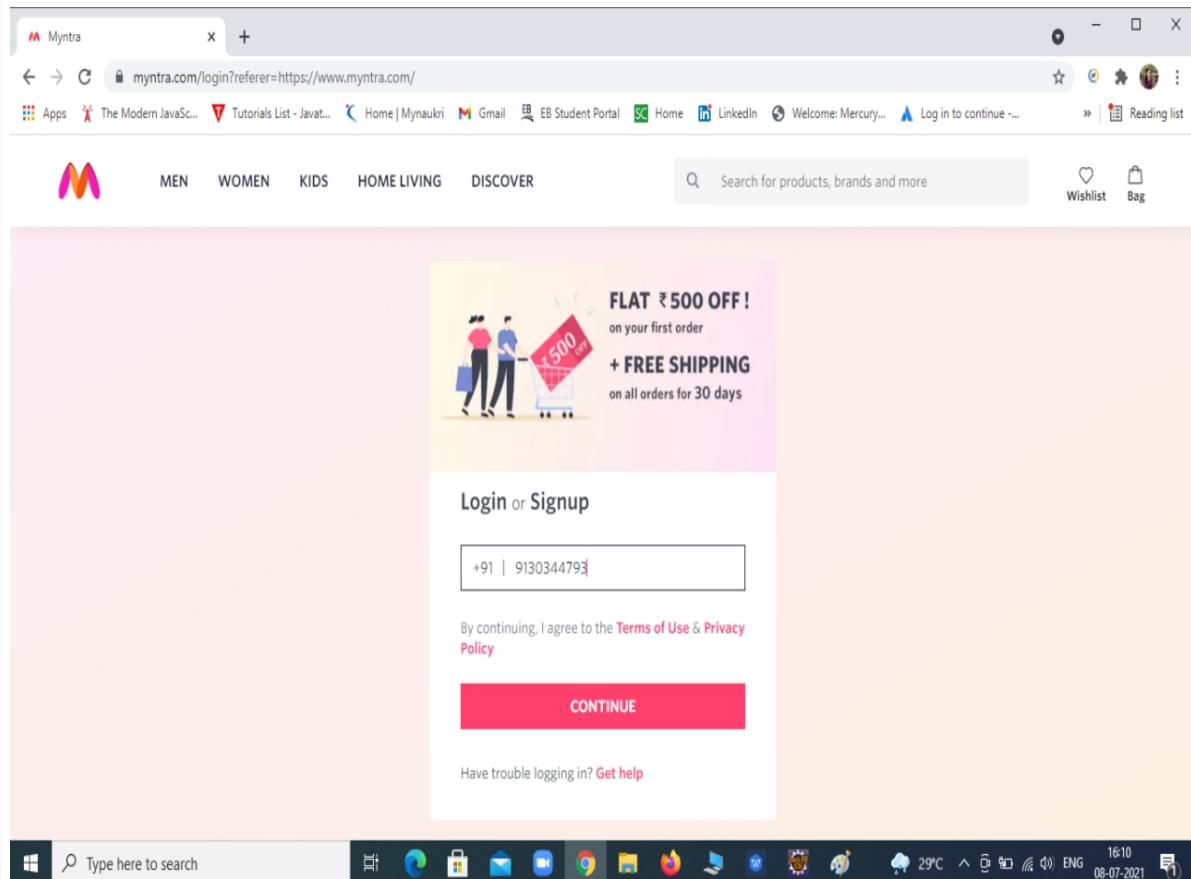


TC_07:To check the functionality of entering Mobile number for login

```
driver.findElement(By.xpath("//html/body/div[2]/div/div[2]/div[3]/div[2]/div/div/div[1]/div/div/div[2]/div/div[2]/div[1]/input")).sendKeys("9130344793");
```

TC_08:To check the functionality of click on continue button

```
driver.findElement(By.className("submitBottomOption")).click();
```

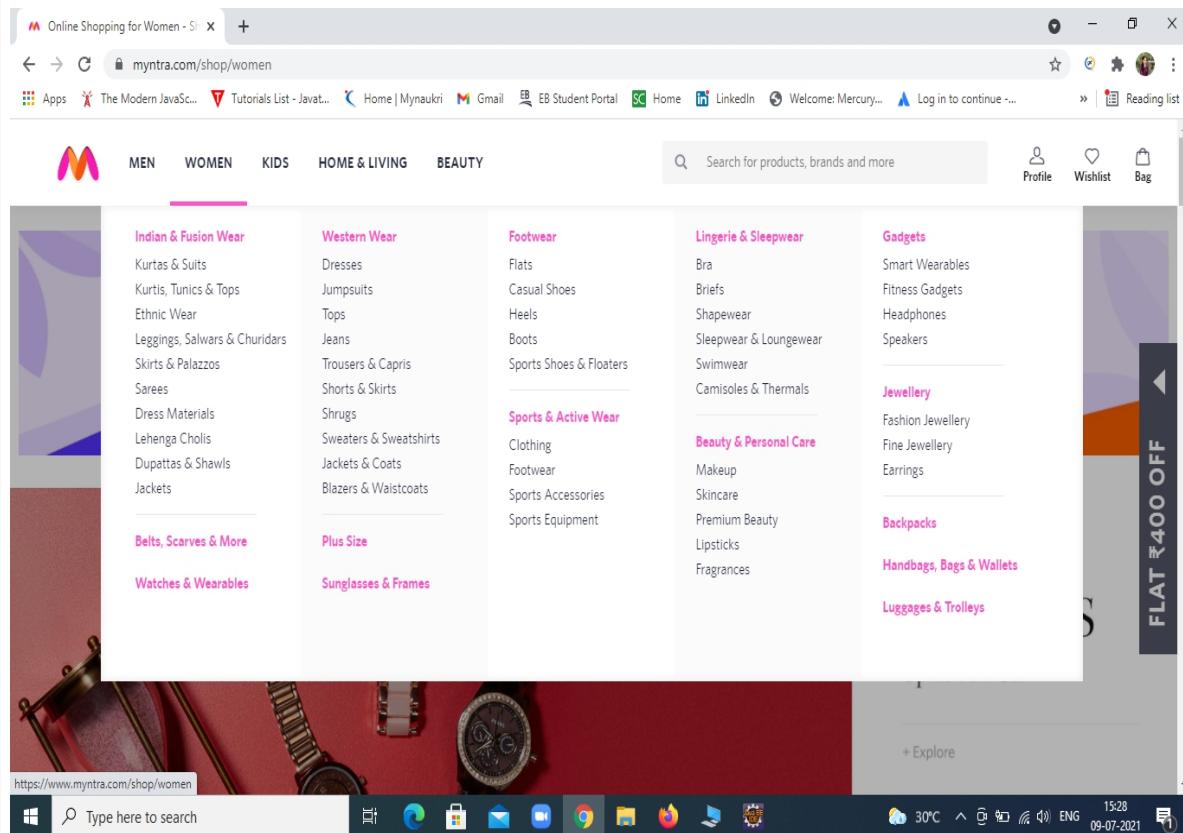


Note: After entering Mobile Number we get otp, this process cant done using Automation. so Entering Otp action perform manually

TC_09. To Select Women module and perform action Mouseover for further option selection :

Actions b=new Actions(driver);

b. moveToElement(driver.findElement(By.xpath("//html/body/div[1]/div/div/header/div[2]/nav/div/div[2]/div/a"))).perform();



TC_10. To check the functionality of selecting Indian and fusion wear) :

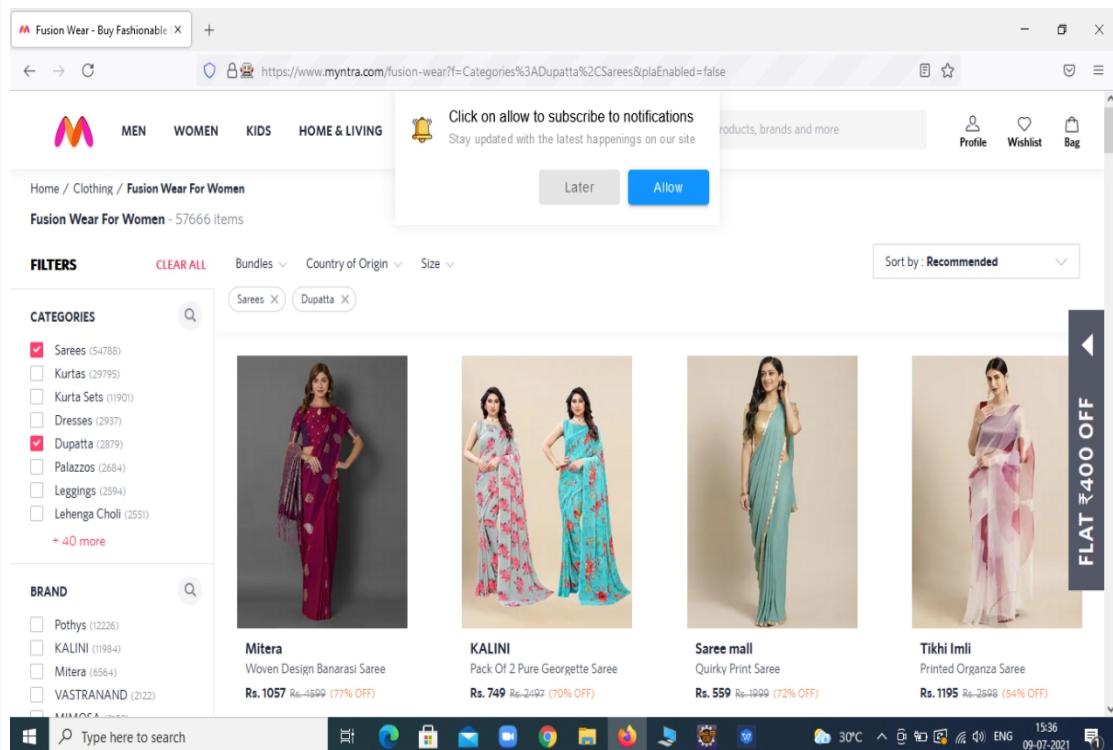
driver.findElement(By.xpath("//html/body/div[1]/div/div/header/div[2]/nav/div/div[2]/div/div/div/li[1]/ul/li[1]/a")).click();

TC_11. To check the functionality of selecting categories (Select Checkbox):

```
driver.findElement(By.xpath("/html/body/div[2]/div/div[1]/main/div[3]/div[1]/section/div/div[2]/ul/li[1]/label/div")).click();
```

```
driver.findElement(By.xpath("//*[@id=\"mountRoot\"]/div/div[1]/main/div[3]/div[1]/section/div/div[2]/ul/li[5]/label/div")).click();
```

(Here I Selected 2 checkboxes)



TC_12. To check the functionality of selecting a Brand:

```
driver.findElement(By.xpath("/html/body/div[2]/div/div[1]/main/div[3]/div[1]/section/div/div[3]/ul")).click();
```

TC_13. To check the functionality of Selecting Price range:

```
driver.findElement(By.xpath("//*[@id='mountRoot']/div/div[1]/main/div[3]/div[1]/section/div/div[4]/ul/li[1]/label/div")).click();
```

TC_14. To check the functionality of Scroll Down

To maximize window:

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

Note: it is an interface to convert webdriver object to javascript obj

```
JavascriptExecutor js=(JavascriptExecutor) driver;
```

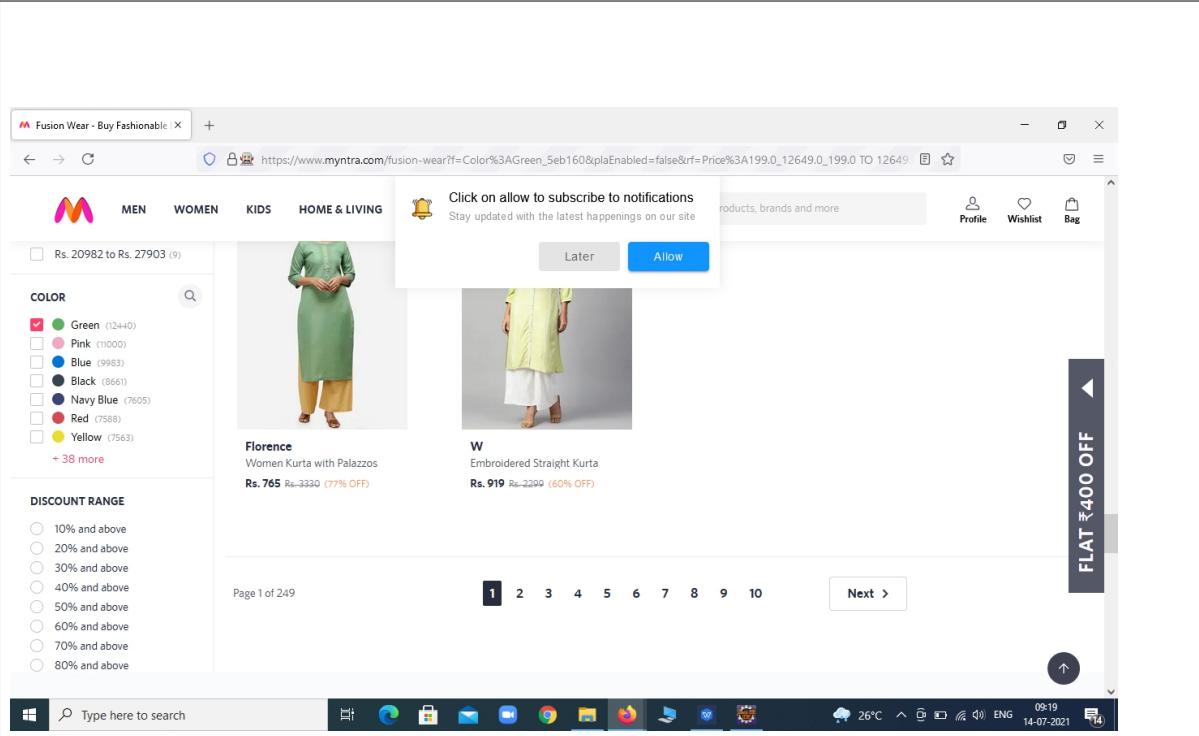
```
Thread.sleep(2000);
```

To scroll upto bottom of height:

```
js.executeScript("window.scrollTo(0, document.body.scrollHeight)", "");  
System.out.println("page end");  
Thread.sleep(2000);  
js.executeScript("window.scrollBy(0, -2000)");  
Thread.sleep(2000);
```

TC_15. To check the functionality of Selecting Color:

```
driver.findElement(By.xpath("/html/body/div[2]/div/div[1]/main/div[3]/div[1]/section/div/div[5]/ul/li[1]/label/div")).click();
```



TC_16. To check the functionality of Selecting Discount

```
driver.manage().window().maximize(); //maximize window
```

it is an interface to convert webdriver object to javascript obj

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

scroll upto bottom of height and To select Discount Range

```
js.executeScript("window.scrollTo(0, document.body.scrollHeight)", "");  
System.out.println("page end");  
Thread.sleep(2000);  
js.executeScript("window.scrollBy(0, -2000)");  
Thread.sleep(2000);
```

To select Discount Range

```
driver.findElement(By.xpath("/html/body/div[2]/div/div[1]/main/div[3]/div[1]/section/div/div[6]/ul/li[2]/label/input")).click();
```

```
driver.findElement(By.xpath("//html/body/div[2]/div/div[1]/main/div[3]/div[1]/section/div/div[6]/ul/li[2]/label/div")).click();
```

MEN WOMEN KIDS HOME & LIVING BEAUTY

Rs. 13409 to Rs. 19958 (18)
Rs. 19958 to Rs. 26507 (8)

COLOR

- Green (4118)
- Pink (3882)
- Red (3390)
- Yellow (3181)
- Blue (2904)
- Black (2517)
- Navy Blue (2230)

+ 38 more

DISCOUNT RANGE

- 10% and above
- 20% and above
- 30% and above (selected)
- 40% and above
- 50% and above
- 60% and above
- 70% and above

Wishlist

Search for products, brands and more

Profile Wishlist Bag

Mitera Woven Design Kanjeevaram S...
Rs. 1183 Rs. 4099 (71% OFF)

Anouk Floral Printed Saree
Rs. 1479 Rs. 3699 (60% OFF)

Sangria Net Saree
Rs. 1124 Rs. 2499 (55% OFF)

Mitera Woven Design Banarasi Saree
Rs. 1889 Rs. 5309 (65% OFF)

KALINI Printed Khadi Saree
Rs. 449 Rs. 1283 (65% OFF)

Tikhi Imli Printed Saree
Rs. 999 Rs. 2499 (60% OFF)

Mitera Banarasi Silk Blend Saree
Rs. 1889 Rs. 5309 (65% OFF)

FLAT ₹400 OFF

TC_17. To check the functionality of Selecting Kids module and perform action Mouseover for further option selection

```
Actions b=new Actions(driver);
b.moveToElement(driver.findElement(By.xpath("//html/bod
y/div[1]/div/div/header/div[2]/nav/div/div[3]/div/a"))).perform();
```

The screenshot shows the Myntra homepage. At the top, there's a navigation bar with links for MEN, WOMEN, KIDS, HOME & LIVING, and BEAUTY. Below the navigation is a search bar with the placeholder "Search for products, brands and more". To the right of the search bar are links for Profile, Wishlist, and Bag. The main content area features several category lists: Boys Clothing (T-Shirts, Shirts, Shorts, Jeans, Trousers, Clothing Sets, Ethnic Wear, Track Pants & Pyjamas, Jacket, Sweater & Sweatshirts, Innerwear & Sleepwear), Girls Clothing (Dresses, Tops, Tshirts, Clothing Sets, Ethnic wear, Dungarees & Jumpsuits, Skirts & shorts, Tights & Leggings, Jeans, Trousers & Capris, Jacket, Sweater & Sweatshirts, Innerwear & Sleepwear), Boys Footwear (Casual Shoes, Sports Shoes, Sandals, Flip flops, School Shoes), Girls Footwear (Flats, Casual Shoes, Sports Shoes, Heels, Flip flops, Sandals, School Shoes), Infants (Rompers & Onesies, Clothing Sets, Tshirts & Tops, Dresses, Bottom wear, Winter Wear, Innerwear & Sleepwear, Infants Accessories), and Brands (H&M, United Colors of Benetton, YK, U.S. Polo Assn. Kids, GAP Kids, Gini & Jony, Peppermint, next, Allen Solly Junior, Nike, Pepe Jeans). A vertical sidebar on the right says "FLAT ₹300 OFF". Below the categories, there's a section titled "DEALS OF THE DAY" with a link to https://www.myntra.com/shop/kids.

TC_18. To check the functionality of selecting dresses from girls

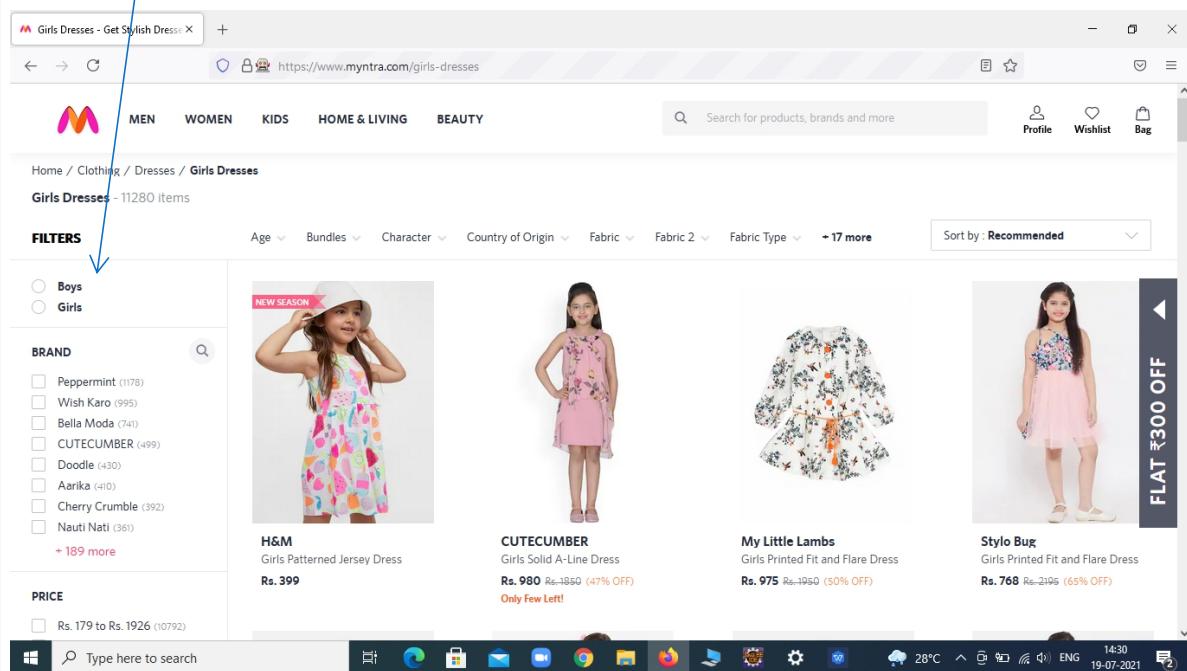
```
driver.findElement(By.xpath("//html/body/div[1]/div/div/header/div[2]/nav/div/div[3]/div/div/div/li[2]/ul/li[2]/a")).click();
```

The screenshot shows the "Girls Dresses" page on Myntra. The URL is https://www.myntra.com/girls-dresses. The page includes a header with links for MEN, WOMEN, KIDS, HOME & LIVING, and BEAUTY, and a search bar. On the left, there are filters for AGE (Age), BUNDLES (Bundles), CHARACTER (Character), COUNTRY OF ORIGIN (Country of Origin), FABRIC (Fabric), FABRIC 2 (Fabric 2), FABRIC TYPE (Fabric Type), and PRICE. The PRICE filter is currently selected, showing options for Boys (1 item) and Girls (11280 items). The BRAND filter shows options like Peppermint, Wish Karo, Bella Moda, CUTECUMBER, Doodhi, Aarika, Cherry Crumble, and Nauti Nati. The PRICE filter shows options for Boys and Girls. The main content area displays four dress products: 1. H&M Girls Patterned Jersey Dress (Rs. 399), 2. My Little Lambs Girls Printed Fit and Flare Dress (Rs. 975), 3. Stylo Bug Girls Printed Fit and Flare Dress (Rs. 768), and 4. CUTECUMBER Girls Peach-coloured Solid-a-line Dress (Rs. 9479975). Each product has a "WISHLIST" button. A vertical sidebar on the right says "FLAT ₹300 OFF". The status bar at the bottom shows the URL https://www.myntra.com/dresses/cutecumber/cutecumber-girls-peach-coloured-solid-a-line-dress/9479975/buy, the date 19-07-2021, and the time 14:29.

TC_19. To check the functionality selecting Boys radio button from filters

```
driver.findElement(By.xpath("//html/body/div[2]/div/div[1]/main/div[3]/div[1]/section/div/div[2]/ul/li[1]/label")).click();
```

Defect



DEFECT: IN Girls module there is a radio button to select boys option (This is a defect, As we choose girls module from kids then there should not be a boys module).

Problem Facing To Automate Myntra Website Using Selenium Webdriver

- Selenium is not accurate while dealing with handling dynamic web elements.
- Selenium has enormous timeout, sync and page load issues.
- Selenium does not automate captcha.
- Selenium cannot perform testing for the images.
- Selenium users need a subsequent amount of time for test case authoring.
- Selenium does not support automation testing of video and audio.
- Tricky to handle web elements which have dynamic attribute values, each time the page is loaded.
- Tricky to handle issues during page load, proper sync between the application and the tool, and so on.

Thank
You!