



A Project Report  
On  
**AUTOMATION TESTING**  
ON  
**MYNTRA WEBSITE**

By  
**Sonali Lahanu Pokale**

Batch: EON (2020-5343)

Course: School of Coding-Certified Software Test Engineer

Under the Guidance of,

**Priyanka Desale(Technical Trainer)**

At

**EduBridge India**

# **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");
```

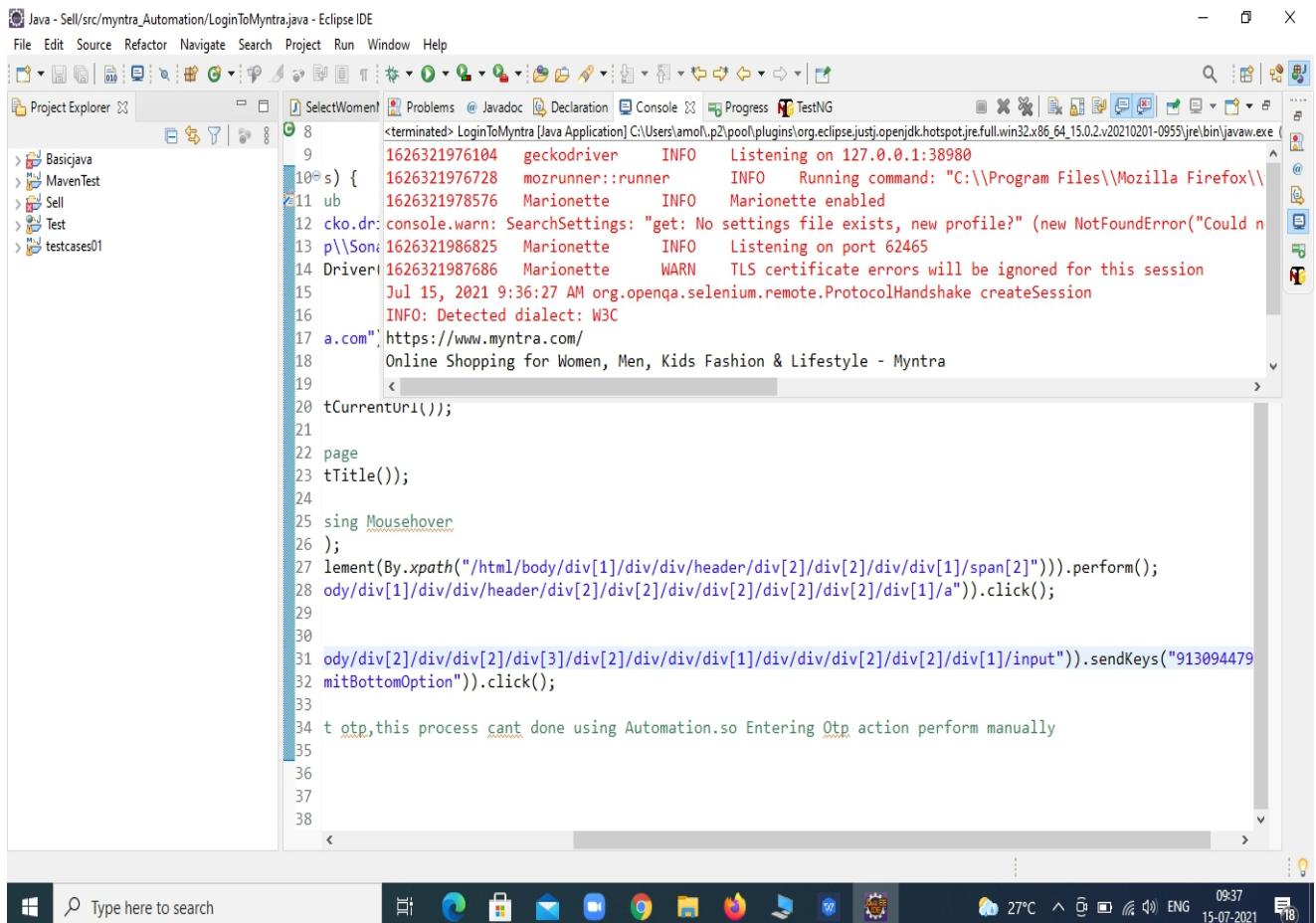
The screenshot shows the Myntra website homepage. At the top, there's a navigation bar with links for MEN, WOMEN, KIDS, HOME & LIVING, and BEAUTY. A search bar is located next to the navigation. On the left side, there's a large image of a family wearing summer clothing. On the right side, a prominent red banner announces "The Big Brand Sale" with "30-60% Off" from "12<sup>th</sup> - 14<sup>th</sup> July". Below the banner are logos for U.S. POLO ASSN. (since 1890), ARROW (USA 1951), and GAP. At the very bottom, there's a "DEALS OF THE DAY" section and a Windows taskbar with various icons and system status information.

## 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 with the following details:

- Project Explorer:** Shows several Java projects: Basicjava, MavenTest, Sell, Test, and testcases01.
- Code Editor:** Displays Java code for a Selenium test case named `LoginToMyntra.java`. The code interacts with a Firefox driver to navigate to the Myntra website and perform actions like mouseovers and key presses.
- Console View:** Shows the terminal output of the test execution. It includes log messages from the geckodriver, mozrunner, Marionette, and WebDriver, indicating the setup of the browser session and the successful navigation to `https://www.myntra.com/`.
- Taskbar:** At the bottom, the Windows taskbar shows the search bar, pinned icons for File Explorer, Edge, File Manager, Mail, and others, and system status indicators including the date (15-07-2021), time (09:37), battery level (18%), and network connection.

## TC\_04. To check the Title of current page

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

### Output:

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

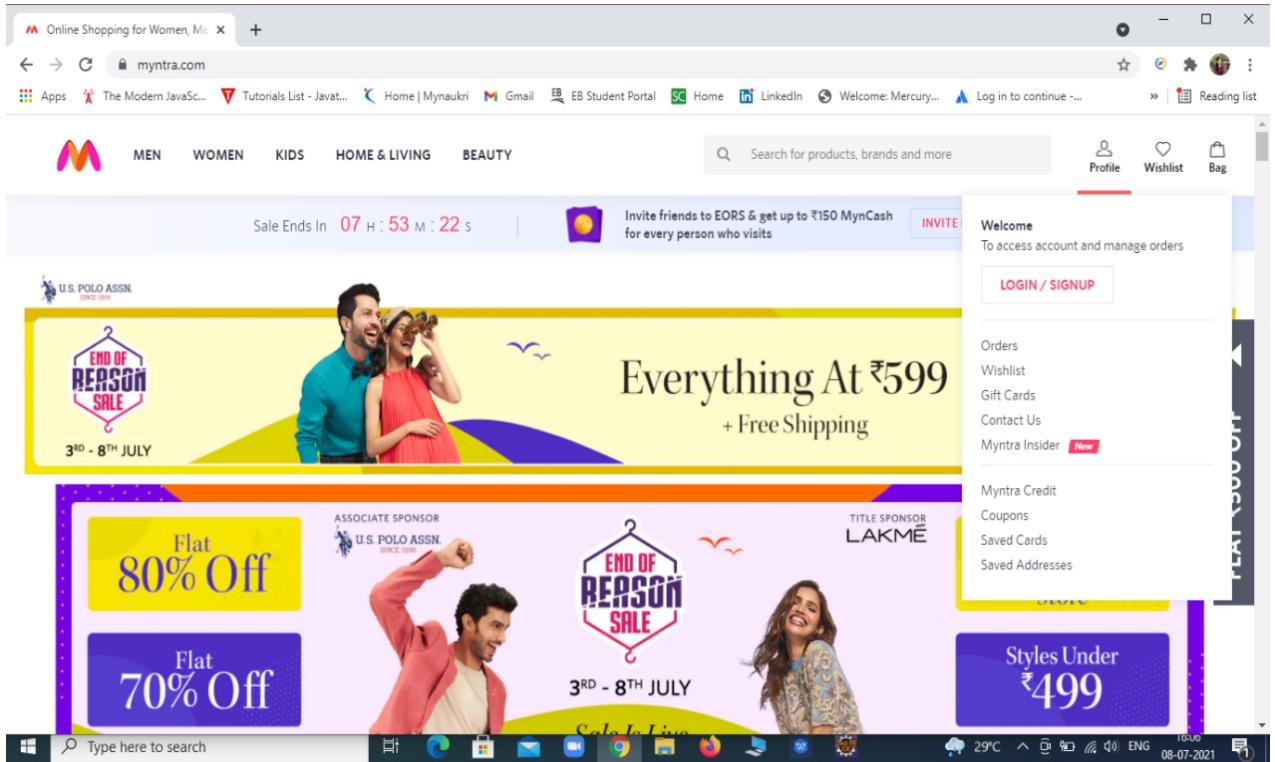
The screenshot shows the Eclipse IDE interface. The left pane displays a 'Project Explorer' with several Java files listed. The right pane has tabs for 'SelectWomen', 'Problems', 'Declaration', 'Console', 'Progress', and 'TestNG'. The 'Console' tab is active, showing log output from a Selenium WebDriver session. The log includes messages like 'INFO Listening on 127.0.0.1:38980', 'INFO Running command: "C:\Program Files\Mozilla Firefox\...', and 'INFO: Detected dialect: W3C'. It also shows the title of the browser window: 'Online Shopping for Women, Men, Kids Fashion & Lifestyle - Myntra'. Below the IDE is a Windows taskbar with various icons and system status information.

```
Java - Sell/src/myntra_Automation/LoginToMyntra.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer SelectWomen Problems Declaration Console Progress TestNG
8
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 Driver:1626321987686 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[2]/div/div[1]/span[2]")).perform();
28 ody/div[1]/div/div/header/div[2]/div[2]/div[2]/div[2]/div[1]/a").click();
29
30
31 ody/div[2]/div/div[2]/div[3]/div[2]/div/div/div[1]/div/div/div[2]/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
```

## TC\_05. To check the functionality of going to Profile icon by using Mousehover

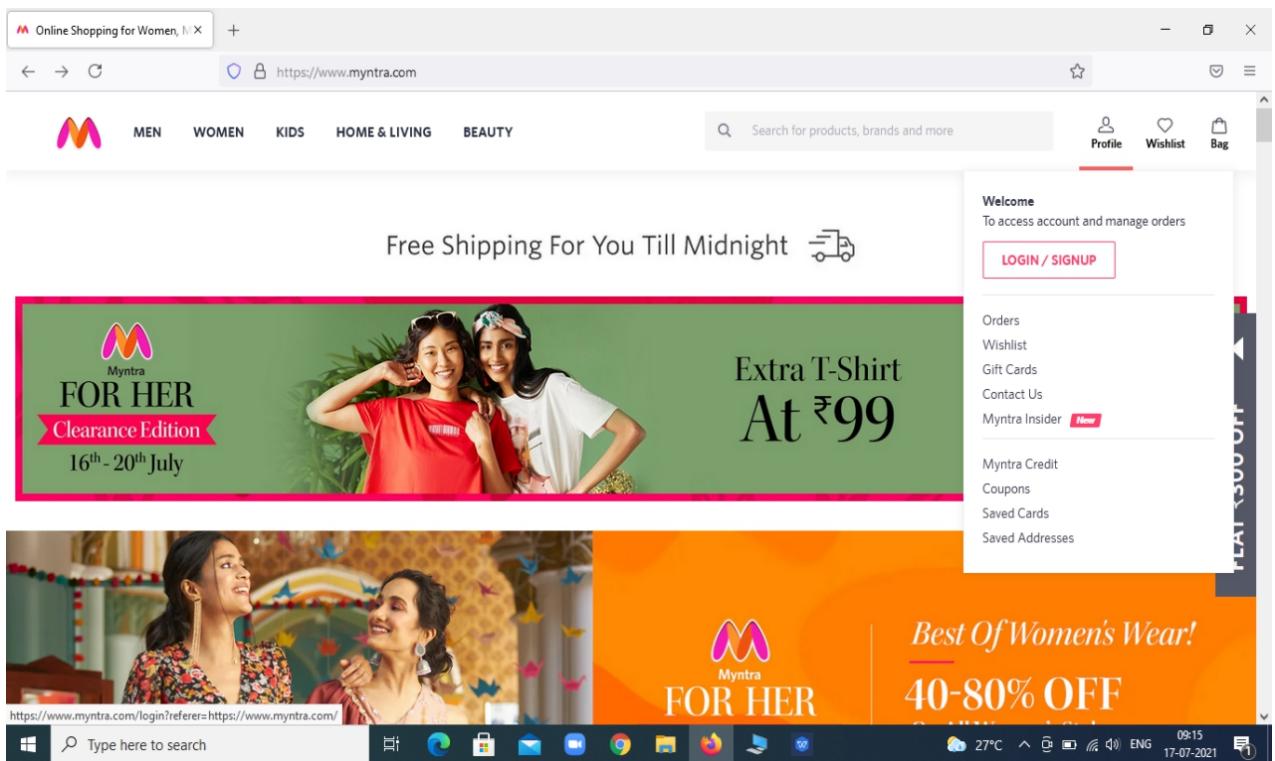
```
Actions a=new Actions(driver);
```

```
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/div[2]/div[2]/div[2]/div[1]/a")).click();
```

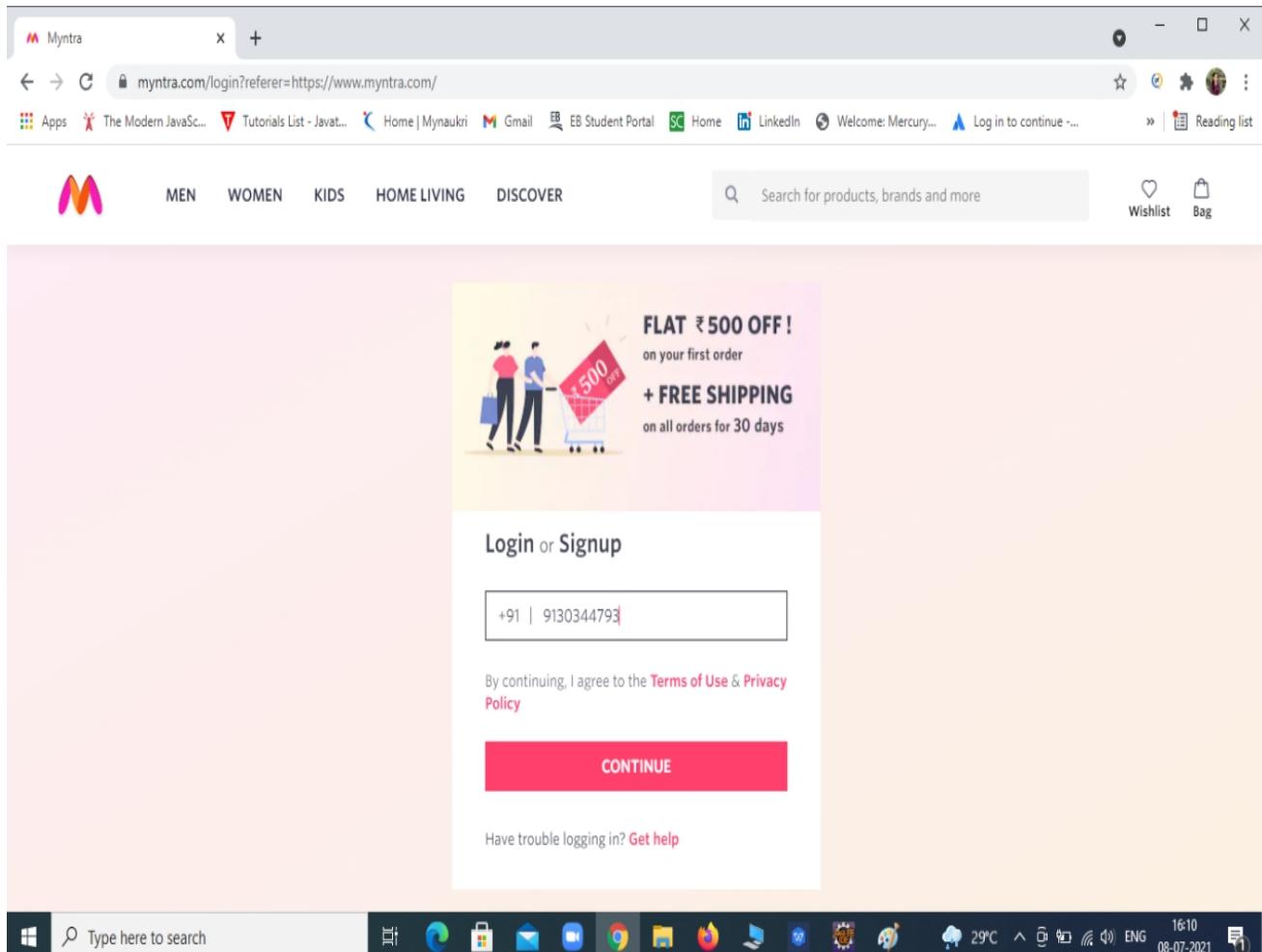


## TC\_07:To check the functionality of entering Mobile number for login

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

## TC\_08:To check the functionality of click on continue button

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

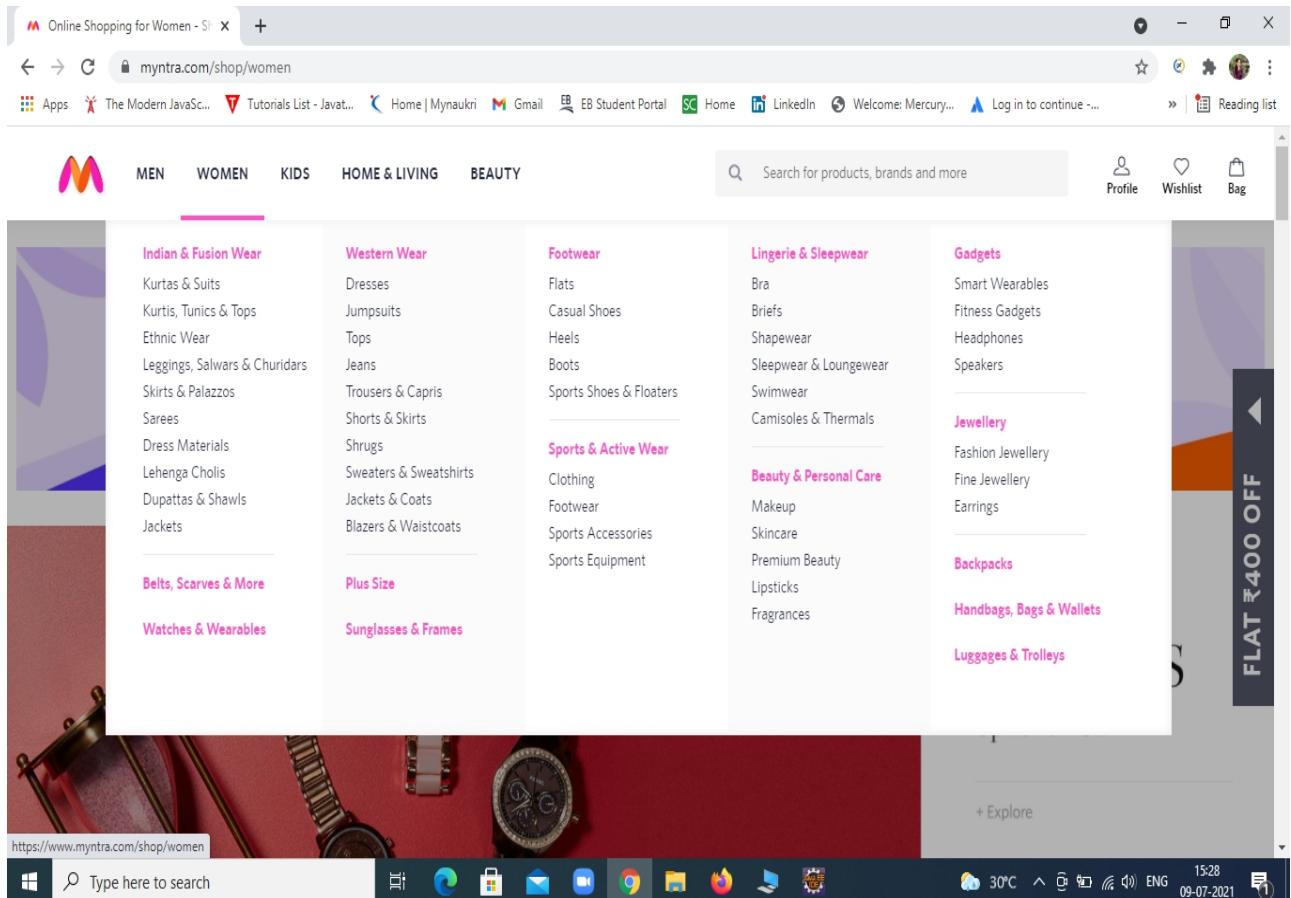


Note: After entering Mobile Number we get otp, this process can't done using Automation.so Entering Otp action perform manually

## 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)

The screenshot shows the MyNtra website for 'Fusion Wear - Buy Fashionable'. The URL is https://www.myntra.com/fusion-wear?f=Categories%3ADupatta%2CSarees&plaEnabled=false. A notification prompt 'Click on allow to subscribe to notifications' with 'Later' and 'Allow' buttons is visible. The search bar contains 'products, brands and more'. The top navigation menu includes MEN, WOMEN, KIDS, and HOME & LIVING. The breadcrumb path is Home / Clothing / Fusion Wear For Women. The main content area shows a grid of saree products. On the left, under 'FILTERS', the 'CATEGORIES' section has checkboxes for Sarees (selected) and Dupatta (selected). Other categories like Kurtas, Kurta Sets, Dresses, Palazzos, Leggings, and Lehenga Choli are also listed. Under 'BRAND', brands like Pothys, KALINI, Mitera, and VASTRANAND are listed. A sidebar on the right says 'FLAT ₹400 OFF'. The bottom taskbar shows various icons and system status.

## **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();
```

Fusion Wear - Buy Fashionable

Click on allow to subscribe to notifications  
Stay updated with the latest happenings on our site

MEN WOMEN KIDS HOME & LIVING

Later Allow

Home / Clothing / Fusion Wear For Women

Fusion Wear For Women - 6563 items

**FILTERS** CLEAR ALL

Blouse Blouse Fabric Border Bundles Country of Origin Main Trend Multipack Set

Sarees Mitera

CATEGORIES

- Sarees (6563)
- Lehenga Choli (173)
- Clothing Set (8)
- Kurti Sets (2)
- Shrugs (1)

BRAND

- Pothys (12224)
- KALINI (1981)
- Mitera (6563)
- MIMOSA (2024)
- VASTRANAND (2007)
- Saree mall (1880)
- Kalamandir (1292)
- KLM Fashion Mall (1128)

Sarees Mitera

**Sort by: Recommended**

FLAT ₹400 OFF

## 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();
```

Fusion Wear - Buy Fashionable

Search for products, brands and more

MEN WOMEN KIDS HOME & LIVING BEAUTY

VASTRANAND (2007) Rs. 105/- Rs. 1599 (77% OFF)

KALINI (1295) Rs. 749/- Rs. 2497 (70% OFF)

Anouk (53901) Rs. 559/- Rs. 1999 (72% OFF)

Sangria (53901) Rs. 1195/- Rs. 2599 (54% OFF)

**PRICE**

- Rs. 311 to Rs. 10005 (53901)
- Rs. 10005 to Rs. 19699 (751)
- Rs. 19699 to Rs. 29393 (115)
- Rs. 29393 to Rs. 39087 (6)

**COLOR**

- Green (6476)
- Pink (5537)
- Blue (4224)
- Red (4083)
- Yellow (4075)
- Black (2936)
- Orange (2749)

Mitera (1183) Rs. 4080 (71% OFF)

KALINI (462) Rs. 1712 (73% OFF)

Anouk (1479) Rs. 3699 (60% OFF)

Sangria (1295) Rs. 2699 (52% OFF)

FLAT ₹400 OFF

## 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");
```

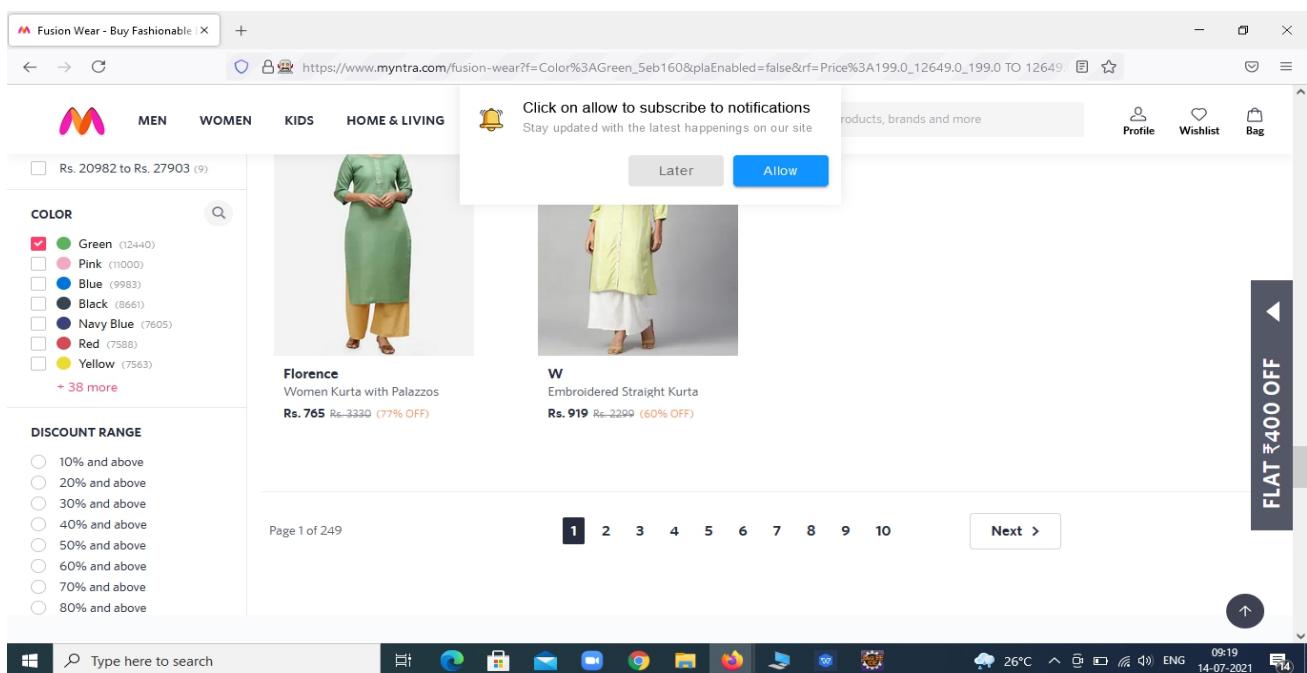
```
Thread.sleep(2000);
```

```
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();
```

Fusion Wear - Buy Fashionable

MEN WOMEN KIDS HOME & LIVING BEAUTY

Search for products, brands and more

Profile Wishlist Bag

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

40% and above

50% and above

60% and above

70% and above

<https://www.mynta.com/sarees/kalini/kalini-teal-red-art-silk-solid-saree/14213928/buy>

**Mitera**  
Woven Design Kanjeevaram Saree  
Rs. 1183 ~~Rs. 4080~~ (71% OFF)

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

**Tikhi Imli**  
Printed Saree  
Rs. 999 ~~Rs. 2498~~ (60% OFF)

**Mitera**  
Banarasi Silk Blend Saree  
Rs. 1889 ~~Rs. 5399~~ (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/body/div[1]/div/div/header/div[2]/nav/div/div[3]/div/a"))).perform();

The screenshot shows the Myntra website's navigation bar at the top with categories: MEN, WOMEN, KIDS, HOME & LIVING, and BEAUTY. The KIDS category is highlighted with an orange underline. A dropdown menu for 'KIDS' is open, containing several sections:

- 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.
- Kids Accessories**: Bags & Backpacks, Watches, Jewellery & Hair Accessories, Eyewear.
- 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 side of the page displays a promotional banner: "FLAT ₹300 OFF". Below the main content, there is a section titled "DEALS OF THE DAY". At the bottom of the screen, the Windows taskbar is visible with various pinned icons and system status information.

## 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/div/li[2]/ul/li[2]/a")).click();

## 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).

# DeFault Reporting in Jira

The screenshot shows the Jira Software interface with a 'Create issue' dialog box open. The dialog box has a title bar 'Create issue - Jira' and a URL 'quastech.atlassian.net/jira/software/c/projects/FBJ/issues/?jq=ORDER%20BY%20created%20DESC'. The main area of the dialog is titled 'Create issue' with tabs 'Import issues' and 'Configure fields'. A rich text editor toolbar is above the input field, which contains the text 'Windows10'. Below the input field is a note: 'For example operating system, software platform and/or hardware specifications (include as appropriate for the issue)'. There is an 'Attachment' section with a file named 'Mynta\_Defect.png' (353 KB). Under 'Affects versions', it says 'None'. A 'Due date' field is set to '19/Jul/21'. At the bottom right of the dialog are buttons: 'Create another' (unchecked), 'Create' (highlighted in blue), and 'Cancel'. To the left of the dialog, a list of existing issues is visible, showing columns for Type, Key, and Summary. One issue is highlighted: 'FBJ-483 MG101: In blank and'. The Jira header includes 'Jira Software', 'Your work', 'Projects', 'Filters', 'Dashboards', 'People', 'Apps', and a 'Create' button. The status bar at the bottom shows a Windows taskbar with various icons and the date/time '19-07-2021 15:22'.

## **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.

**Github Link: [https://github.com/Sonalipokale/Myntra\\_Automation-Project](https://github.com/Sonalipokale/Myntra_Automation-Project)**

**Thank You!**