

1. Create 2 test cases, disable one using enabled = false, and run only the active test.

```
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class Enable {
    WebDriver driver;

    @BeforeClass
    public void beforeClass() {
        driver=new ChromeDriver();
        driver.get("https://www.ebay.com/");
        driver.manage().window().maximize();
    }

    @Test(enabled=true)
    public void login() throws InterruptedException {
        WebElement
login=driver.findElement(By.xpath("//*[@id=\"gh\"]/nav/div[1]/span[1]/span/a"));
        login.click();
        Thread.sleep(15000);
        WebElement name=driver.findElement(By.id("userid"));
        name.sendKeys("thotakurisaikiran@gmail.com");
        driver.findElement(By.id("signin-continue-btn")).click();
        Thread.sleep(3000);
        WebElement pass=driver.findElement(By.id("pass"));
        pass.sendKeys("Saikiran@1234");
        driver.findElement(By.id("sgnBt")).click();
    }
}
```

```

        Thread.sleep(4000);
    }
    @Test(enabled=false)
    public void search() throws InterruptedException {
        driver.get("https://www.ebay.com/");
        WebElement search=driver.findElement(By.id("gh-ac"));

        String[] searches= {"watch","phone","laptop"};
        for(String s:searches) {
            search.sendKeys(s);
            search.sendKeys(Keys.ENTER);
            Thread.sleep(3000);
            search=driver.findElement(By.id("gh-ac"));
            search.clear();
        }
        Thread.sleep(3000);
        driver.findElement(By.id("gh-logo")).click();
    }
    @Test(enabled=true)
    public void logout() throws InterruptedException {
        // Hover over "My eBay" (profile menu)
        WebElement elementToHover =
driver.findElement(By.xpath("//button[contains(@aria-label,'My
eBay')]"));
        Actions actions = new Actions(driver);
        actions.moveToElement(elementToHover).perform();
        Thread.sleep(3000);

        // Click "Sign out"
        WebElement signOut = driver.findElement(By.xpath("//a[text()='Sign
out']"));
        signOut.click();
        Thread.sleep(3000);
    }

    @AfterClass

```

```

    public void afterClass(){
        driver.close();
    }
}

```

2. Write a test to run the same test multiple times.

```

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
import org.testng.annotations.AfterClass;
import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class Repeattest {
    WebDriver driver;

    @BeforeClass
    public void beforeClass() {
        driver=new ChromeDriver();
        driver.get("https://www.ebay.com/");
        driver.manage().window().maximize();
    }

    @Test(invocationCount = 2)
    public void search() throws InterruptedException {
        driver.get("https://www.ebay.com/");
        WebElement search=driver.findElement(By.id("gh-ac"));
    }
}

```

```

String[] searches= {"watch","phone","laptop"};
for(String s:searches) {
    search.sendKeys(s);
    search.sendKeys(Keys.ENTER);
    Thread.sleep(3000);
    search=driver.findElement(By.id("gh-ac"));
    search.clear();

}
Thread.sleep(3000);
driver.findElement(By.id("gh-logo")).click();
}

```

```

@AfterClass
public void afterClass(){
    driver.close();
}

}

```

3. Write test cases for a dummy login page using @Parameters in testng.xml.

```

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterTest;

```

```
import org.testng.annotations.BeforeTest;
import org.testng.annotations.Optional;
import org.testng.annotations.Parameters;
import org.testng.annotations.Test;

public class LoginTest {
    WebDriver driver;

    @BeforeTest
    public void setup() {

        driver = new ChromeDriver();
        driver.manage().window().maximize();
    }

    @Test
    @Parameters({"username", "password"})
    public void testLogin(@Optional("username") String username,
        @Optional("password") String password) throws
        InterruptedException {

        System.out.println("Username: " + username + "Password: " +
            password);

        driver.get("http://zero.webappsecurity.com/login.html");
```

```
WebElement usr = driver.findElement(By.id("user_login"));
usr.clear();
usr.sendKeys(username);

WebElement psw = driver.findElement(By.id("user_password"));
psw.clear();
psw.sendKeys(password);
driver.findElement(By.cssSelector("input[name=\"submit\"]")).click();
}
```

@AfterTest

```
public void tearDown() {

    driver.quit();

}
}
```

### Testng.xml

```
<suite name="parameterSuite">
  <test name="plugintest">
    <parameter name="username" value="admin" />
    <parameter name="password" value="admin@123" />
    <classes>
      <class name="Assertsdemo.LoginTest"/>
    </classes>
  </test>
</suite>
```

#### 4. Write dependent test cases:

- login()
- search Product() (depends on login)
- logout() (depends on search)

```
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
import org.testng.annotations.AfterClass;
```

```

import org.testng.annotations.BeforeClass;
import org.testng.annotations.Test;

public class Dependent {
    WebDriver driver;

    @BeforeClass
    public void beforeClass() {
        driver=new ChromeDriver();
        driver.get("https://www.ebay.com/");
        driver.manage().window().maximize();
    }

    @Test
    public void login() throws InterruptedException {
        WebElement
login=driver.findElement(By.xpath("//*[@id=\"gh\"]/nav/div[1]/span[1]/span/a"));
        login.click();
        Thread.sleep(20000);
        WebElement name=driver.findElement(By.id("userid"));
        name.sendKeys("thotakurisaikiran@gmail.com");
        driver.findElement(By.id("signin-continue-btn")).click();
        Thread.sleep(3000);
        WebElement pass=driver.findElement(By.id("pass"));
        pass.sendKeys("Saikiran@1234");
        driver.findElement(By.id("sgnBt")).click();
    }
}

```



```
        Thread.sleep(4000);  
    }  
}
```

```
@Test(dependsOnMethods="login")  
public void search() throws InterruptedException {  
    driver.get("https://www.ebay.com/");  
    WebElement search=driver.findElement(By.id("gh-ac"));  
  
    String[] searches= {"watch","phone","laptop"};  
    for(String s:searches) {  
        search.sendKeys(s);  
        search.sendKeys(Keys.ENTER);  
        Thread.sleep(3000);  
        search=driver.findElement(By.id("gh-ac"));  
        search.clear();  
    }  
    Thread.sleep(3000);  
    driver.findElement(By.id("gh-logo")).click();  
}
```

```
@Test(dependsOnMethods="search")  
public void logout() throws InterruptedException {
```

```

        WebElement elementToHover =
driver.findElement(By.cssSelector("span>div[class=\"gh-flyout is-left-
aligned\"]"));

        Actions actions = new Actions(driver);

        actions.moveToElement(elementToHover).build().perform();

        Thread.sleep(5000);

driver.findElement(By.cssSelector("a[_sp=\"m570.l2622\"]")).click();

        Thread.sleep(5000);

    }

```

```

    @AfterClass
    public void afterClass(){

        driver.close();

    }

}

```

5. Use Data Provider to supply multiple sets of usernames/passwords to a login test.

```

import java.io.FileInputStream;
import java.io.IOException;
import org.apache.poi.ss.usermodel.Cell;
import org.apache.poi.ss.usermodel.Row;

```

```
import org.apache.poi.ss.usermodel.Sheet;
import org.apache.poi.ss.usermodel.Workbook;
import org.apache.poi.ss.usermodel.WorkbookFactory;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.DataProvider;
import org.testng.annotations.Test;

public class ExcelTest {

    @DataProvider(name="excelData")
    public Object[][] excelDataProvider() throws IOException{

        String excelPath =
"D:\\java_selenium\\TestNG_selenium\\src\\test\\resources\\TestData.xlsx";

        String sheetName = "Sheet1";

        FileInputStream fis = new FileInputStream(excelPath);
        Workbook workbook = WorkbookFactory.create(fis);
        Sheet sheet = workbook.getSheet(sheetName);

        int rows = sheet.getPhysicalNumberOfRows();
        int cols = sheet.getRow(0).getLastCellNum();

        Object[][] data = new Object[rows-1][cols];

        for(int i=1;i<rows;i++) {
```

```

        Row row = sheet.getRow(i);
        for(int j=0;j<cols;j++) {
            Cell cell = row.getCell(j);
            data[i-1][j] = (cell == null)?"":cell.toString();
        }
    }
    workbook.close();
    fis.close();
    return data;
}

@Test(dataProvider = "excelData")
public void testLogin(String username, String password) {
    System.out.println("Username: "+username+" | Password:
    "+password);

    WebDriver driver=new ChromeDriver();
    driver.get("http://zero.webappsecurity.com/login.html");
    WebElement usr=driver.findElement(By.id("user_login"));
    usr.sendKeys(username);
    WebElement psw=driver.findElement(By.id("user_password"));
    psw.sendKeys(password);

    driver.findElement(By.cssSelector("input[name=\"submit\"]")).click();
}
}

```

6.Run test cases in parallel (methods, classes, tests) using parallel attribute in testng.xml.

i). chrome browser

```
package Testing_package;

import org.testng.annotations.Test;
import org.testng.annotations.BeforeTest;
import java.util.ArrayList;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
import org.testng.annotations.AfterTest;


public class Ebay_testcases {

    WebDriver driver ;

    @Test (priority=1)

    public void login() throws InterruptedException {

        WebElement
login=driver.findElement(By.xpath("//*[@id=\"gh\"]/nav/div[1]/span[1]/span/a
"));

        login.click();

        Thread.sleep(30000);

        WebElement name=driver.findElement(By.id("userid"));
```

```

name.sendKeys("thotakurisaikiran@gmail.com");
driver.findElement(By.id("signin-continue-btn")).click();
Thread.sleep(3000);
WebElement pass=driver.findElement(By.id("pass"));
pass.sendKeys("Saikiran@1234");
driver.findElement(By.id("sgnBt")).click();
Thread.sleep(8000);
}

```

```
@Test(priority=2)
```

```

public void searchmultipleitems() throws InterruptedException {
    driver.get("https://www.ebay.com/");
    WebElement search=driver.findElement(By.id("gh-ac"));

    String[] searches= {"watch","phone","bags","headphones"};
    for(String s:searches) {
        search.sendKeys(s);
        search.sendKeys(Keys.ENTER);
        Thread.sleep(3000);
        search=driver.findElement(By.id("gh-ac"));
        search.clear();
    }
    Thread.sleep(3000);
}

```

```
// @Test(priority=3)

public void changeloginname() throws InterruptedException {

    Thread.sleep(3000);

    driver.get("https://accountsettings.ebay.com/uas");

    Thread.sleep(3000);

    driver.findElement(By.id("account-settings-link-PI")).click();

    Thread.sleep(3000);

    driver.findElement(By.id("individual_username_edit_button")).click();

    Thread.sleep(3000);

    WebElement inp=driver.findElement(By.id("user_name"));

    inp.clear();

    inp.sendKeys("sky12345678");

    driver.findElement(By.id("username_submit_edit_btn")).click();

    Thread.sleep(5000);

    WebElement name=driver.findElement(By.id("userid"));

    name.sendKeys("thotakurisaikiran@gmail.com");

    driver.findElement(By.id("signin-continue-btn")).click();

    Thread.sleep(3000);

    WebElement pass=driver.findElement(By.id("pass"));

    pass.sendKeys("Saikiran@1234");

    driver.findElement(By.id("sgnBt")).click();

    Thread.sleep(4000);

}
```

```

@Test(priority=3)
    public void addtocart() throws InterruptedException {
        driver.findElement(By.id("gh-logo")).click();

        Thread.sleep(3000);

        WebElement ns=driver.findElement(By.id("gh-ac"));
        ns.sendKeys("mobile phones");
        ns.sendKeys(Keys.ENTER);
        Thread.sleep(3000);

        driver.findElement(By.cssSelector("img[alt=\"Samsung Galaxy S10 5G
Crown Silver 256 GB Verizon Smart Phone\"]")).click();

        Thread.sleep(6000);

        ArrayList<String> tabs = new
ArrayList<>(driver.getWindowHandles());

        driver.switchTo().window(tabs.get(1));
        JavascriptExecutor js=(JavascriptExecutor)driver;
        js.executeScript("window.scrollTo(0,400)");
        driver.findElement(By.id("atcBtn_btn_1")).click();
        Thread.sleep(7000);
        driver.close();

        driver.switchTo().window(tabs.get(0));
        Thread.sleep(3000);
        js.executeScript("window.scrollTo(0,-400)");
        driver.findElement(By.id("gh-logo")).click();

        //driver.findElement(By.xpath("//*[@id=\"gh-ac-
wrap\"]/button")).click();

        Thread.sleep(3000);
    }

```



```

        driver.findElement(By.cssSelector("span[class=\"gh-
cart__icon\"]")).click();

        driver.findElement(By.cssSelector("button[data-test-id=\"cart-
remove-item\"]")).click();

        driver.findElement(By.id("gh-logo")).click();

        Thread.sleep(3000);
    }

```

```

@Test(priority=4)

```

```

public void changeaddress() throws InterruptedException {

```

```

    Thread.sleep(3000);

    driver.get("https://accountsettings.ebay.com/uas");

    Thread.sleep(3000);

    driver.findElement(By.id("account-settings-link-PI")).click();

    Thread.sleep(3000);

    JavascriptExecutor js=(JavascriptExecutor)driver;

    js.executeScript("window.scrollTo(0,400)");

```

```

        driver.findElement(By.id("individual_personal_info_address_edit_button
")).click();

```

```

        Thread.sleep(3000);

        js.executeScript("window.scrollTo(0,400)");

        WebElement inp=driver.findElement(By.id("addressLine1"));

        inp.clear();

        inp.sendKeys("Uppal");

        WebElement ct=driver.findElement(By.id("city"));

        ct.clear();

```

```

        ct.sendKeys("Hyderabad");
        driver.findElement(By.cssSelector("select>option[value=\"TS\"]"));
        WebElement pc=driver.findElement(By.id("postalCode"));
        pc.clear();
        pc.sendKeys("500039");
        driver.findElement(By.id("address_edit_submit_button")).click();
        Thread.sleep(5000);
    }

```

```

@Test(priority=5)

```

```

public void shopbycategory() throws InterruptedException{

```

```

        driver.findElement(By.cssSelector("button[aria-controls=\"s0-1-4-12-0-1-dialog\"]")).click();

```

```

        Thread.sleep(3000);

```

```

        driver.findElement(By.cssSelector("a[_sp=\"m570.l3410\"]")).click();

```

```

        Thread.sleep(4000);

```

```

        driver.findElement(By.xpath("/html/body/div[2]/div[2]/section[2]/section/div/ul/li[3]/span/a")).click();

```

```

        Thread.sleep(6000);

```

```

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

```

```

        Thread.sleep(3000);

```

```

    }

```

```
@Test(priority=6)
```

```
public void shopbycategoryall() throws InterruptedException{
```

```
    driver.findElement(By.cssSelector("select>option[value=\"12576\"]")).click();
```

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

```
    driver.findElement(By.id("gh-search-btn")).click();
```

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

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

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

```
}
```

```
@Test(priority=7)
```

```
public void footerlink() throws InterruptedException{
```

```
    driver.findElement(By.cssSelector("a[_exsp=\"m571.l2943\"]")).click();
```

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

```
    driver.navigate().back();
```

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

```
}
```

```

    @Test(priority=8)

    public void logout() throws InterruptedException {

        WebElement elementToHover =
driver.findElement(By.cssSelector("span>div[class=\"gh-flyout is-left-
aligned\"]"));

        Actions actions = new Actions(driver);

        actions.moveToElement(elementToHover).build().perform();

        Thread.sleep(5000);

        driver.findElement(By.cssSelector("a[_sp=\"m570.l2622\"]")).click();

        Thread.sleep(5000);

    }

```

@BeforeTest

```

public void beforeTest() throws InterruptedException {

    driver =new ChromeDriver();

    driver.get("https://www.ebay.com/");

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

    Thread.sleep(5000);

}

```

@AfterTest

```

public void afterTest() {

    driver.close();

}

}

```

ii). Edge browser

```
package Testing_package;

import org.testng.annotations.Test;
import org.testng.annotations.BeforeTest;
import java.time.Duration;
import java.util.ArrayList;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.edge.EdgeDriver;
import org.openqa.selenium.interactions.Actions;
import org.testng.annotations.AfterTest;

public class Ebay_edgebrowser{

    WebDriver driver;

    @Test(priority=1)

    public void login() throws InterruptedException {

        WebElement

        login=driver.findElement(By.xpath("//*[@id=\"gh\"]/nav/div[1]/span[1]/span/a"));

        login.click();

        //Thread.sleep(10000);

        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));

        WebElement name=driver.findElement(By.id("userid"));
```

```

        name.sendKeys("thotakurisaikiran@gmail.com");
        driver.findElement(By.id("signin-continue-btn")).click();
        //Thread.sleep(3000);

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));
        WebElement pass=driver.findElement(By.id("pass"));
        pass.sendKeys("Saikiran@1234");
        driver.findElement(By.id("sgnBt")).click();
        //Thread.sleep(4000);

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));
    }

```

```

@Test(priority=2)

```

```

public void searchmultipleitems() throws InterruptedException {
    driver.get("https://www.ebay.com/");
    WebElement search=driver.findElement(By.id("gh-ac"));
    String[] searches= {"watch","phone","laptop"};
    for(String s:searches) {
        search.sendKeys(s);
        search.sendKeys(Keys.ENTER);
        //Thread.sleep(3000);

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(3));
        if(!s.equals("laptop")) {
            search=driver.findElement(By.id("gh-ac"));
            search.clear();

```

```

        }
    }
    //Thread.sleep(3000);
    driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));
}

```

```

@Test(priority=3)

```

```

public void addtocart() throws InterruptedException {

```

```

    driver.findElement(By.id("gh-logo")).click();

```

```

    Thread.sleep(3000);

```

```

    WebElement ns=driver.findElement(By.id("gh-ac"));

```

```

    ns.sendKeys("mobile phones");

```

```

    ns.sendKeys(Keys.ENTER);

```

```

    Thread.sleep(3000);

```

```

    driver.findElement(By.cssSelector("img[alt=\"Samsung Galaxy S10 5G
Crown Silver 256 GB Verizon Smart Phone\"]")).click();

```

```

    Thread.sleep(6000);

```

```

    ArrayList<String> tabs = new

```

```

    ArrayList<>(driver.getWindowHandles());

```

```

    driver.switchTo().window(tabs.get(1));

```

```

    JavascriptExecutor js=(JavascriptExecutor)driver;

```

```

    js.executeScript("window.scrollTo(0,400)");

```

```

    driver.findElement(By.id("atcBtn_btn_1")).click();

```

```

    Thread.sleep(7000);

```

```

    driver.close();

```

```

    driver.switchTo().window(tabs.get(0));

```

```

    Thread.sleep(3000);

```

```

        js.executeScript("window.scrollTo(0,-400)");
        driver.findElement(By.id("gh-logo")).click();
        //driver.findElement(By.xpath("//*[@id=\"gh-ac-
wrap\"]/button")).click();
        Thread.sleep(3000);
        driver.findElement(By.cssSelector("span[class=\"gh-
cart__icon\"]")).click();
        driver.findElement(By.cssSelector("button[data-test-id=\"cart-
remove-item\"]")).click();
        driver.findElement(By.id("gh-logo")).click();
        Thread.sleep(3000);
    }

```

```

//@Test(priority=2)

```

```

public void changeloginname() throws InterruptedException {

```

```

    Thread.sleep(3000);
    driver.get("https://accountsettings.ebay.com/uas");
    Thread.sleep(3000);
    driver.findElement(By.id("account-settings-link-PI")).click();
    Thread.sleep(3000);
    JavascriptExecutor js=(JavascriptExecutor)driver;
    js.executeScript("window.scrollTo(0,400)");

```

```

        driver.findElement(By.id("individual_personal_info_address_edit_button
")).click();

```

```

        Thread.sleep(3000);
        js.executeScript("window.scrollTo(0,400)");
        WebElement inp=driver.findElement(By.id("addressLine1"));

```



```

inp.clear();
inp.sendKeys("Uppal");
WebElement ct=driver.findElement(By.id("city"));
ct.clear();
ct.sendKeys("Hyderabad");
driver.findElement(By.cssSelector("select>option[value=\"TS\"]"));
WebElement pc=driver.findElement(By.id("postalCode"));
pc.clear();
pc.sendKeys("500039");
driver.findElement(By.id("address_edit_submit_button")).click();
Thread.sleep(5000);
}

```

```

@Test(priority=4)

```

```

public void changeaddress() throws InterruptedException {
    driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(2));
    driver.get("https://accountsettings.ebay.com/uas");
    //Thread.sleep(3000);
    driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(2));
    driver.findElement(By.id("account-settings-link-PI")).click();
    //Thread.sleep(3000);
    driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(2));
    JavascriptExecutor js=(JavascriptExecutor)driver;
    js.executeScript("window.scrollTo(0,400)");

```

```

    driver.findElement(By.id("individual_personal_info_address_edit_button"))
        .click();

```

```

//Thread.sleep(3000);
driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(2));
js.executeScript("window.scrollTo(0,400)");
WebElement inp=driver.findElement(By.id("addressLine1"));
inp.clear();
inp.sendKeys("Uppal");
WebElement ct=driver.findElement(By.id("city"));
ct.clear();
ct.sendKeys("Hyderabad");
driver.findElement(By.cssSelector("select>option[value=\"TS\"]"));
WebElement pc=driver.findElement(By.id("postalCode"));
pc.clear();
pc.sendKeys("500039");
driver.findElement(By.id("address_edit_submit_button")).click();
//Thread.sleep(5000);
driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));
}

```

```

@Test(priority=5)
public void shopbycategory() throws InterruptedException{
    driver.findElement(By.cssSelector("button[aria-controls=\"s0-1-4-12-0-1-dialog\"]")).click();
    //Thread.sleep(3000);
    driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(3));

    driver.findElement(By.cssSelector("a[_sp=\"m570.l3410\"]")).click();
    //Thread.sleep(4000);
}

```

```

        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(4));

        driver.findElement(By.xpath("/html/body/div[2]/div[2]/section[2]/section/div/ul/li[3]/span/a")).click();

        //Thread.sleep(6000);

        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(6));

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

        //Thread.sleep(3000);

        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(3));
    }

    @Test(priority=6)
    public void shopbycategoryall() throws InterruptedException{

        driver.findElement(By.cssSelector("select>option[value=\"12576\"]")).click();

        //Thread.sleep(3000);

        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(3));

        driver.findElement(By.id("gh-search-btn")).click();

        //Thread.sleep(3000);

        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(3));

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

        //Thread.sleep(3000);

        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(3));
    }

```

```

    @BeforeTest

    public void beforeTest() throws InterruptedException {

        System.setProperty("webdriver.edge.driver", "D:\\Selenium
files\\msedgedriver.exe");

        driver =new EdgeDriver();

        driver.get("https://www.ebay.com/");

        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(5));

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

        //Thread.sleep(5000);

    }

    @AfterTest

    public void afterTest() {

        driver.close();

    }

}

```

iii)firefox browser

```

package Testing_package;

import org.testng.annotations.Test;

import org.testng.annotations.BeforeTest;

import java.util.ArrayList;

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

```

```
import org.openqa.selenium.WebElement;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.openqa.selenium.interactions.Actions;
import org.testng.annotations.AfterTest;
```

```
    public class Ebay_firefoxbrowser{
        WebDriver driver;
        @Test(priority=1)
        public void login() throws InterruptedException {
            WebElement

            login=driver.findElement(By.xpath("//*[@id=\"gh\"]/nav/div[1]/span[1]/span/a"));

            login.click();
            Thread.sleep(10000);
            WebElement name=driver.findElement(By.id("userid"));
            name.sendKeys("thotakurisaikiran@gmail.com");
            driver.findElement(By.id("signin-continue-btn")).click();
            Thread.sleep(3000);
            WebElement pass=driver.findElement(By.id("pass"));
            pass.sendKeys("Saikiran@1234");
            driver.findElement(By.id("sgnBt")).click();
            Thread.sleep(4000);
        }
    }
```

```
@Test(priority=2)
```

```
public void searchmultipleitems() throws InterruptedException {  
    driver.get("https://www.ebay.com/");  
    WebElement search=driver.findElement(By.id("gh-ac"));  
    String[] searches= {"watch","phone","laptop"};  
    for(String s:searches) {  
        search.sendKeys(s);  
        search.sendKeys(Keys.ENTER);  
        Thread.sleep(3000);  
        if(!s.equals("laptop")) {  
            search=driver.findElement(By.id("gh-ac"));  
            search.clear();  
        }  
    }  
    Thread.sleep(3000);  
}
```

```
@Test(priority=3)
```

```
public void addtocart() throws InterruptedException {  
    driver.findElement(By.id("gh-logo")).click();  
    Thread.sleep(3000);  
    WebElement ns=driver.findElement(By.id("gh-ac"));  
    ns.sendKeys("mobile phones");  
    ns.sendKeys(Keys.ENTER);  
    Thread.sleep(3000);  
    driver.findElement(By.cssSelector("img[alt=\"Samsung Galaxy S10  
5G Crown Silver 256 GB Verizon Smart Phone\"]")).click();  
}
```

```

        Thread.sleep(6000);

        ArrayList<String> tabs = new
ArrayList<>(driver.getWindowHandles());

        driver.switchTo().window(tabs.get(1));

        JavascriptExecutor js=(JavascriptExecutor)driver;
        js.executeScript("window.scrollTo(0,400)");
        driver.findElement(By.id("atcBtn_btn_1")).click();
        Thread.sleep(7000);
        driver.close();

        driver.switchTo().window(tabs.get(0));
        Thread.sleep(3000);
        js.executeScript("window.scrollTo(0,-400)");
        driver.findElement(By.id("gh-logo")).click();

        //driver.findElement(By.xpath("//*[@id=\"gh-ac-
wrap\"]/button")).click();

        Thread.sleep(3000);

        driver.findElement(By.cssSelector("span[class=\"gh-
cart__icon\"]")).click();

        driver.findElement(By.cssSelector("button[data-test-
id=\"cart-remove-item\"]")).click();

        driver.findElement(By.id("gh-logo")).click();
        Thread.sleep(3000);
    }

    //@Test(priority=2)
    public void changeloginname() throws InterruptedException {

        WebElement elementToHover =
driver.findElement(By.cssSelector("div[class=\"ghnav__left-wrap\"]"));

```

```
        Actions actions = new Actions(driver);
        actions.moveToElement(elementToHover).build().perform();
        Thread.sleep(3000);
        driver.get("https://accountsettings.ebay.com/uas");
        Thread.sleep(3000);
        driver.findElement(By.id("account-settings-link-PI")).click();
        Thread.sleep(3000);

        driver.findElement(By.id("individual_username_edit_button")).click();
        Thread.sleep(3000);
        WebElement inp=driver.findElement(By.id("user_name"));
        inp.clear();
        inp.sendKeys("sai12345678");

        driver.findElement(By.id("username_submit_edit_btn")).click();
        Thread.sleep(5000);
        WebElement name=driver.findElement(By.id("userid"));
        name.sendKeys("thotakurisaikiran@gmail.com");
        driver.findElement(By.id("signin-continue-btn")).click();
        Thread.sleep(3000);
        WebElement pass=driver.findElement(By.id("pass"));
        pass.sendKeys("Saikiran@1234");
        driver.findElement(By.id("sgnBt")).click();
        Thread.sleep(4000);
    }
```



```

@Test(priority=4)
public void changeaddress() throws InterruptedException {
    Thread.sleep(3000);
    driver.get("https://accountsettings.ebay.com/uas");
    Thread.sleep(3000);
    driver.findElement(By.id("account-settings-link-PI")).click();
    Thread.sleep(3000);
    JavascriptExecutor js=(JavascriptExecutor)driver;
    js.executeScript("window.scrollTo(0,400)");

    driver.findElement(By.id("individual_personal_info_address_edit_button
")).click();

    Thread.sleep(3000);
    js.executeScript("window.scrollTo(0,400)");
    WebElement inp=driver.findElement(By.id("addressLine1"));
    inp.clear();
    inp.sendKeys("Uppal");
    WebElement ct=driver.findElement(By.id("city"));
    ct.clear();
    ct.sendKeys("Hyderabad");

    driver.findElement(By.cssSelector("select>option[value=\"TS\"]"));
    WebElement pc=driver.findElement(By.id("postalCode"));
    pc.clear();
    pc.sendKeys("500039");

    driver.findElement(By.id("address_edit_submit_button")).click();

```

```

        Thread.sleep(5000);
    }

    @Test(priority=5)
    public void shopbycategory() throws InterruptedException{
        driver.findElement(By.cssSelector("button[aria-
controls=\"s0-1-4-12-0-1-dialog\"]")).click();
        Thread.sleep(3000);

        driver.findElement(By.cssSelector("a[_sp=\"m570.l3410\"]")).click();
        Thread.sleep(4000);

        driver.findElement(By.xpath("/html/body/div[2]/div[2]/section[2]/section/div/ul/li[3]/span/a")).click();
        Thread.sleep(6000);

        driver.findElement(By.xpath("/html/body/div[2]/div[2]/section[1]/div/nav/ul/li[1]/a")).click();
        Thread.sleep(3000);
    }

    @Test(priority=6)
    public void shopbycategoryall() throws InterruptedException{
        driver.findElement(By.cssSelector("select>option[value=\"12576\"]")).click();

        Thread.sleep(3000);
        driver.findElement(By.id("gh-search-btn")).click();
        Thread.sleep(3000);

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

```

```

        Thread.sleep(3000);
    }
    @BeforeTest
    public void beforeTest() throws InterruptedException {
        driver =new FirefoxDriver();
        driver.get("https://www.ebay.com/");
        driver.manage().window().maximize();
        Thread.sleep(5000);
    }
    @AfterTest
    public void afterTest() {
        driver.close();
    }
}

```

#### Testng.xml

```

<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.1.dtd" >
<suite name="ParallelSuite" parallel="classes" thread-count="3">
<test name="ParallelTestExecution">
<classes>
<class name="Testing_package.Ebay_testcases"/>
<class name="Testing_package.Ebay_edgebrowser"/>
<class name="Testing_package.Ebay_firefoxbrowser"/>
</classes>
</test>
</suite>

```