1. **Title : "Create account " functionality**

Description : We insert good credentials in all the fields, and the continue to create the account

Precondition: A webpage is open at "www.amazon.com"

Steps:

1. On the top page, next to the search bar, hover on the "Hello,sign in/Account &Lists" button
2. Press the button "Start here" next to "New Customer?"
3. In the "Your Name" field insert "Harrison"
4. In the field "Mobile number or email" insert abcd@gmail.com
5. In the field "Password" insert "123456"
6. In the field "Re-enter password" insert "123456"
7. Click on the "Continue" button

Expected results: We receive no warning and are redirected to another page.

Actual results: We receive no warning and are redirected to to another page.

Detalii cod:

1.Intram pe pagina de amazon, si inchidem captha

```
WebElement dissmis = driver.findElement(By.cssSelector("#nav-flyout-anchor
> div.a-section.glow-toaster.glow-toaster-theme-default.glow-toaster-slot-
default.nav-coreFlyout.nav-flyout > div > div.glow-toaster-footer > span.a-
button.a-spacing-top-base.a-button-base.glow-toaster-button.glow-toaster-
button-dismiss > span > input"));
dissmis.click();
```

2. Intram pe pagina de sign up, cu un Action si perform() pentru a pluti pe buton si as se deschide un dropdown, si apoi cu un wait, asteptam sa se incarce pagina.

```
Actions actions = new Actions(driver);
WebElement elem1 = driver.findElement(By.cssSelector("#nav-link-
accountList-nav-line-1"));
actions.moveToElement(elem1).perform();
asteapta(2);
```

3.Am introdus date corecte in linii, si am verificat cu un assertTrue daca butonul de "Continue" este displayed si Enabled, iar apoi in pagina am verificat cu un getTitle daca am continuat pe pagina buna.

```java
next = driver.findElement(By.xpath("//*[@id=\"continue\"]"));
assertTrue("Butonul nu e vizibil", next.isDisplayed());
assertTrue("Butonul nu poate fi apasat", next.isEnabled());

next.click();

asteapta(5);

if (driver.getTitle().contains("Authentication required")){
  System.out.println("Am continuat cu succes catre a crea un cont");
}
```

2. Title : "Create account " functionality

Description : We insert good credentials in all the fields except the password, were we put a password smaller than the mandatory units.

Precondition: A webpage is open at "www.amazon.com"

Steps:

1. On the top page, next to the search bar, hover on the "Hello,sign in/Account &Lists" button
2. Press the button "Start here" next to "New Customer?"
3. In the "Your Name" field insert "Harrison"
4. In the field "Mobile number or email" insert abcd@gmail.com
5. In the field "Password" insert "123"
6. In the field "Re-enter password" insert "123"
7. Click on the "Continue" button

Expected results: We receive a warning "Minimum 6 characters required" and we cannot continue.

Actual results: We receive a warning "Minimum 6 characters required" and we cannot continue.

1.Intram pe pagina de amazon, si inchidem captha

```
WebElement dissmis = driver.findElement(By.cssSelector("#nav-flyout-anchor
> div.a-section.glow-toaster.glow-toaster-theme-default.glow-toaster-slot-
default.nav-coreFlyout.nav-flyout > div > div.glow-toaster-footer > span.a-
button.a-spacing-top-base.a-button-base.glow-toaster-button.glow-toaster-
button-dismiss > span > input"));
dissmis.click();
```

2. Intram pe pagina de sign up, cu un "action", pentru a se deschide un dropdown, si apoi cu un wait, asteptam sa se incarce pagina.

```
Actions actions = new Actions(driver);
WebElement elem1 = driver.findElement(By.cssSelector("#nav-link-
accountList-nav-line-1"));
actions.moveToElement(elem1).perform();
asteapta(2);
```

3. Introducem text in campuri

```
WebElement name = driver.findElement(By.id("ap_customer_name"));
name.sendKeys("Harisson");
WebElement mail = driver.findElement(By.id("ap_email"));
mail.sendKeys("abcd@gmail.com");
```

4. La password, introducem mai putine cifre, pentru a primi o erroare, aici am folosit If si Else cu un getText pe eroare si un System.out.println pentru a evidentia acea eroare.

```
WebElement error = driver.findElement(By.xpath("//*[@id=\"auth-password-
invalid-password-alert\"]/div/div"));
if (error.getText().contains("Minimum 6 characters required"))
{System.out.println("Eroare asteptata, prea putine caractere : " +
error.getText());}
else {System.out.println("De ce a trecut peste?!");}
```

5. Dupa ce am introdus diferite texte, am sters si emailul pentru a verifica si acolo daca apare o eroare, si am folosit un IF pentru a sterge mai multe casute cu sendKeys(Keys.BACK_SPACE).

```
for (int i = 0; i < 10; i++) {
    mail.sendKeys(Keys.BACK_SPACE);
}
next.click();

WebElement error2 = driver.findElement(By.xpath("//*[@id=\"auth-email-
invalid-claim-alert\"]/div/div"));
if (error2.getText().contains("Wrong or Invalid email address or mobile
phone number. Please correct and try again.")){
    System.out.println("Eroare asteptata, mailul nu e corect : " +
error2.getText());}
else {System.out.println("De ce a trecut peste?!");}
```

3. Title : "Add to Cart" functionality

Description : We search for a product,adding it to the cart then verify the price

Precondition: A webpage is open at "www.amazon.com"

Steps :

1. Click on the search bar, at the top of the page.
2. Insert "samsung s24" in the field.
3. Click the "magnifier" icon or press "ENTER"
4. On the new page, navigate to a product that contain "samsung s24" .
5. Click the main picture of the chosen product.
6. Press the "Add to cart" button next to the product.
7. Press the "Go to Cart "button next to the added product.

Expected results: The product is added successfully to the cart, and the price matches the quantity and the total.

Actual results: The product is added successfully to the cart, and the price matches the quantity and the total.

Detalii cod:

1.Intram pe pagina de amazon, si inchidem captha

```
WebElement dissmis = driver.findElement(By.cssSelector("#nav-flyout-anchor
> div.a-section.glow-toaster.glow-toaster-theme-default.glow-toaster-slot-
default.nav-coreFlyout.nav-flyout > div > div.glow-toaster-footer > span.a-
button.a-spacing-top-base.a-button-base.glow-toaster-button.glow-toaster-
button-dismiss > span > input"));
dissmis.click();
```

2.In bara de cautare, introducem text cu sendKeys

```
WebElement search = driver.findElement(By.id("twotabsearchtextbox"));
search.sendKeys("samsung s24");
```

3.In pagina nou deschisa verificam cu un assertEquals daca amazon a cautat corect.

```
String title = driver.getTitle();
assertEquals("Nu este cautarea corecta","Amazon.com : samsung s24",title);
```

4. Dupa ce selectam un produs, il adugam in cos, si in acelasi timp verificam si daca acel buton este displayed si enabled, cu assertTrue si un IF cu && pentru a ne printa ca totul este corect.

```java
        WebElement telefon =
driver.findElement(By.xpath("/html/body/div[1]/div[1]/div[1]/div[1]/div/span[1]/div[1]/div[5]/div/div/span/div/div/div/div[2]/div/div/div[1]/a"));
 telefon.click();

WebElement tocart = driver.findElement(By.cssSelector("#add-to-cart-button"));
 assertTrue("Nu este displayed butonul!", tocart.isDisplayed());
 assertTrue("Nu putem apasa butonul", tocart.isEnabled());
 if (tocart.isDisplayed() && tocart.isEnabled())
 {
     System.out.println("Butonul de ADD funtioneaza cum trebuie");
 }
```

5. Apoi la fel si cu butonul de mergi la cos, am verificat daca este enabled si displayed, apoi in cos am verificat ca s.a adaugat doar un produs, si daca pretul produsului corespunde cu cel al subtotalului cu asserEquals si getText, pentru a lua preturile .

```java
WebElement gotocart = driver.findElement(By.cssSelector("#sw-gtc > span > a"));
assertTrue("Nu este displayed butonul!", gotocart.isDisplayed());
assertTrue("Nu putem apasa butonul", gotocart.isEnabled());
if (gotocart.isDisplayed() && gotocart.isEnabled())
{
    System.out.println("Butonul de GO TO funtioneaza cum trebuie");
}
 gotocart.sendKeys(Keys.RETURN);

 WebElement number =
driver.findElement(By.xpath("/html/body/div[1]/div[1]/div[3]/div[4]/div/div[2]/div[1]/div/form/div[2]/div[3]/div[4]/div/div[2]/div[1]/span[1]/span[1]/div/div[2]/span[2]"));
 WebElement price1 =
driver.findElement(By.xpath("/html/body/div[1]/div[1]/div[3]/div[4]/div/div[2]/div[1]/div/form/div[2]/div[3]/div[4]/div/div[2]/ul/div[1]/div/div[1]/div/span/span/span[2]"));
 WebElement price2 = driver.findElement(By.xpath("//*[@id=\"sc-subtotal-amount-buybox\"]/span"));
 assertEquals("nu este bine","1",number.getText());
 assertEquals("nu e bine",price1.getText(),price2.getText());
```

4. Title : "Home Page" functionality

Description : Verify if the " Amazon " logo, will redirect automatically to the home page from another page

Precondition: A webpage is open at "www.amazon.com"

Steps :

    1.On the top left, click the "Today`s Deals" button.

    2.Click on the "Amazon" logo, on top left.

Expected results: We are redirected to the www.amazon.com homepage.

Actual results : We are redirected to the www.amazon.com homepage.

Detalii cod:

    1.Intram pe pagina de amazon, si inchidem captha

```
WebElement dissmis = driver.findElement(By.cssSelector("#nav-flyout-anchor
> div.a-section.glow-toaster.glow-toaster-theme-default.glow-toaster-slot-
default.nav-coreFlyout.nav-flyout > div > div.glow-toaster-footer > span.a-
button.a-spacing-top-base.a-button-base.glow-toaster-button.glow-toaster-
button-dismiss > span > input"));
dissmis.click();
```

    2. Am intrat pe pagina de deals cu un click();

```
WebElement deals = driver.findElement(By.cssSelector("#nav-xshop>a:nth-
child(2)"));
deals.click();
```

    3.Apoi am verificat daca logo-ul este activ pe pagina cu isDisplayed si in if si else am introdus un System.out.println pentru a ne afisa ca logo ul este vizibil.

```
        WebElement logo = driver.findElement(By.id("nav-logo-sprites"));
assertTrue(logo.isDisplayed());
if (logo.isDisplayed()) {
    System.out.println("Logo ul este vizibil");
} else {
    System.out.println("Logo ul nu este vizibil");
}
```

4. Dupa ce am realizat click() ul pe logo, am verificat cu getcurrentURL si un assertEquals ca am fost redirectionati pe pagina principala a amazon.

```
String currentUrl = driver.getCurrentUrl();
assertEquals("Testul nu a trecut! Pagina gresita",
"https://www.amazon.com/ref=nav_logo", currentUrl);
asteapta(2);
System.out.println("Test a trecut! Redirected to the homepage.");
```

Description : We change the language of the page multiple times

Precondition: A webpage is open at "www.amazon.com"

Steps :

1. Next to the search bar on the right, hover on the "EN" icon.
2. Navigate down on new open frame and click on " Deutsch - DE".
3. Hover again on the icon next to the search bar.
4. On new open frame and click on "español - ES".
5. Hover again on the icon next to the search bar.
6. On new open frame and click on "português - PT".

Expected results: The page will reload successfully in the desired language selected.

Actual results : The page will reload successfully in the desired language selected.

Detalii cod:

1.Intram pe pagina de amazon, si inchidem captha

```
WebElement dissmis = driver.findElement(By.cssSelector("#nav-flyout-anchor
> div.a-section.glow-toaster.glow-toaster-theme-default.glow-toaster-slot-
default.nav-coreFlyout.nav-flyout > div > div.glow-toaster-footer > span.a-
button.a-spacing-top-base.a-button-base.glow-toaster-button.glow-toaster-
button-dismiss > span > input"));
dissmis.click();
```

2.Am folosit Actions si perform(), pentru a putea pluti pe un buton, pentru a se deschide o cascada si un wait (asteapta) ,pentru a ma asigura ca se incarca toate eleementele.

```
Actions actions = new Actions(driver);
WebElement language =
driver.findElement(By.xpath("/html/body/div[1]/header/div/div[1]/div[3]/div
/a[1]/span"));
actions.moveToElement(language).perform();
asteapta(2);
```

3. Apoi am dat click pe o alta limba (ES), si am facut doua verificari, una cu CurrentURL sa contina "es" – Espanol si inca o verificare cu assertTrue cu un tab din pagina, care se schimba si el automat pentru a confirma ca este limba dorita.

```
WebElement esp = driver.findElement(By.xpath("//*[@id=\"nav-flyout-
icp\"]/div[2]/a[2]/span/i"));
esp.click();
```

```
asteapta(2);

WebElement languageS = driver.findElement(By.cssSelector("#icp-touch-link-
language>span.icp-color-base"));
assertTrue(driver.getCurrentUrl().contains("es"));
if (languageS.getText().contains("Español")) {
    System.out.println("Limba a fost schimbata cu succes la : " +
languageS.getText());
}
```

4. Am folosit un explicit wait pentru a putea selecta si alte limbi

```
deu =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//*[@id=
\"nav-flyout-icp\"]/div[2]/a[4]/span/i")));
deu.click();
```

4.Am repetat apoi cu alta limba pentru a fii sigur ca pagina se incarca corect, si am folosit si un System.out.println

```
language =
driver.findElement(By.xpath("/html/body/div[1]/header/div/div[1]/div[3]/div
/a[1]/span"));
actions.moveToElement(language).perform();

WebElement kor
kor =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("/html/bo
dy/div[1]/header/div/div[3]/div[18]/div[2]/a[6]/span/i")));
kor.click();
wait.until(ExpectedConditions.urlContains("ko"));

languageS =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.cssSelector("#i
cp-touch-link-language>span.icp-color-base")));

assertTrue(driver.getCurrentUrl().contains("ko"));
if (languageS.getText().contains("한국어")) {
    System.out.println("Limba a fost schimbata cu succes la : " +
languageS.getText());}
```

7. <u>Title : "Search bar" functionality</u>

Description : On the search bar we insert letter of different lenght

Precondition: A webpage is open at "www.amazon.com"

Steps :

1. On the top page, we insert the characters "he" into the search bar
2. Press the magnifier icon or the "ENTER" key

Expected results: The page will load with the correct search.

Actual results : : The page will load with the correct search.

Detalii cod:

1.Intram pe pagina de amazon, si inchidem captha

```
WebElement dissmis = driver.findElement(By.cssSelector("#nav-flyout-anchor
> div.a-section.glow-toaster.glow-toaster-theme-default.glow-toaster-slot-
default.nav-coreFlyout.nav-flyout > div > div.glow-toaster-footer > span.a-
button.a-spacing-top-base.a-button-base.glow-toaster-button.glow-toaster-
button-dismiss > span > input"));
dissmis.click();
```

2.Am folosit un loop cu FOR pentru a cauta pe rand literele, adaugate unul cate unul din cuvantul "HEAT"

```
String ceCautam = "heat";
for (int i = 1; i <= ceCautam.length(); i++)
```

3. In acel FOR, se introduc pe rand acele litere, si executam si o apasare a tastei ENTER dupa fiecare cautare

```
elementeComune.search(ceCautam.substring(0, i));

elementeComune.executamEnter();
```

4. Am verificat cu assertTrue sa avem aceeasi cautare din search bar cu titlul paginii din Amazon si am printat aceste cautari ca o verificare. Titlul l.am luat cu getTitle si transformat in litere String.

```
String titlu = driver.getTitle();
assertTrue(ceCautam.substring(0, i), titlu.contains(ceCautam.substring(0,
i)));
if (titlu.contains(ceCautam.substring(0, i))) {
    System.out.println("Ce cautam noi : " + ceCautam.substring(0,i));
```

```
        System.out.println("Ce a cautat : " + titlu);
        System.out.println("E bine");
} else {
        System.out.println("Ceva nu a mers");
}
```

5. Dupa fiecare litera a cuvantului cautata, ne intoarcem inapoi cu

```
driver.navigate().back();
```
pentru a incepe o cautare noua

8. <u>Search Filter</u>

Cautam t shirt, selectam, marime, culoare, masculin, si apoi verificam in cart, daca sunt toate la fel

Description : We search for a specific product of color, size and gender

Precondition: A webpage is open at "www.amazon.com"

Steps :

1. On the top page, we insert the characters "t-shirt" into the search bar
2. Press the magnifier icon or the "ENTER" key
3. On the left side, under the Gender tab, select Men
4. On the left side, to the middle bottom of the page, select "L"
5. On the left side, to the middle of the page select under the "Color" tab ,the "yellow" circle
6. Click on the first product on the reloaded page

Expected results: The selected product it is a Large size, contains color yellow and it is for Man gender

Actual results : The selected product it is a Large size, contains color yellow and it is for Man gender

Detalii cod:

1.Intram pe pagina de amazon, si inchidem captha

```
WebElement dissmis = driver.findElement(By.cssSelector("#nav-flyout-anchor
> div.a-section.glow-toaster.glow-toaster-theme-default.glow-toaster-slot-
default.nav-coreFlyout.nav-flyout > div > div.glow-toaster-footer > span.a-
button.a-spacing-top-base.a-button-base.glow-toaster-button.glow-toaster-
button-dismiss > span > input"));
dissmis.click();
```

2. Dupa cautarea "t shirt" , gasim elementele pe rand, pentru a selecta marimea, si genul masculin

```
WebElement men = driver.findElement(By.cssSelector("#p_n_feature_thirty-
two_browse-bin\\/121075132011 > span > a > div > label > i"));
men.click();
WebElement marimeaL =
driver.findElement(By.xpath("/html/body/div[1]/div[1]/div[1]/div[2]/div/div
[3]/span/div/span/div/div[2]/div[4]/ul/span/span[5]/li/span/a/span/span/but
ton"));
marimeaL.click();
```

3. Apoi gasim si elemntul de culoare galbena, si dam click pe el, incluzand o conditie, un Explicit Wait, pentru ca elemtul sa apara si un Thread.sleep pentru a astept ca pagina sa se incarce corect

```java
WebElement selectgalben
selectgalben =
wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("/html/body/div[1]/div[1]/div[1]/div[2]/div/div[3]/span/div[1]/span/div/div[2]/div[2]/ul/span/span[9]/li/span/a/span/div")));
selectgalben.click();
Thread.sleep(2000);
```

4. Dupa cautari, selectam un tricou, si verificam pe rand, daca titlul tricoului contine culoarea galben cu assertTrue,si in acelasi timp, printam cu un IF daca totul este corect

```java
assertTrue(galben.getText().contains("Yellow"));

    if (galben.getText().contains("Yellow")) {
        System.out.println("The text contains 'Yellow'.");
    } else {
        System.out.println("The text does not contain 'Yellow'.");
    }
```

apoi la fel, daca avem marimea large "L"

```java
assertTrue(large.getText().contains("Large"));

if (large.getText().contains("Large")) {
    System.out.println("Elementul selectat este L");}
else {
    System.out.println("Elementul selectat nu constine marimea potrivita");
}
```

si cu un assertTrue am verificat daca in pagina, este cuvant "Men" pentru genul masculin

```java
String pageText = driver.findElement(By.tagName("body")).getText();
String wordToFind = "Men";

assertTrue("The element does not contain the word: " + wordToFind,
pageText.contains(wordToFind));
```