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

Design Requirements for Login Page and Home Page

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| **Requirement mark** | **Requirement** |
| 1 | Login screen (“SWAGLABS”) is displayed when the application is started. |
| 1.1 | The login screen shall have a “Username” textbox. It is enabled and empty. |
| 1.2 | The login screen shall have a “Password” textbox. It is enabled and empty. |
| 1.3 | The login screen shall have the “LOGIN” button. |
| 1.3.1 | Click on the “LOGIN” button opens the “Epic sadface: Username is required” message when “Username” and “Password” textboxes are empty. |
| 1.4 | Click on “LOGIN” button to open Home Page (“PRODUCTS”) screen when “Username” and “Password” textboxes are entered. |
| 2 | Home Page(“PRODUCTS”) screen is displayed when step 1.4 is executed. |
| 2.1 | Home Page shall have a “cart” button |
| 2.2 | Click on “ADD TO CART” next to “Sauce Labs Backpack” and “$29.99” shall add the item to a cart. |
| 2.2.1 | Click on “REMOVE” to remove the item from the cart. |
| 2.3 | Click on “ADD TO CART” next to “Sauce Labs Bike Light” and “$9.99” shall add the item to a cart. |
| 2.3.1 | Click on “REMOVE” to remove the item from the cart. |
| 2.4 | Click on “ADD TO CART” next to “Sauce Labs Bolt T-Shirt” and “$15.99” shall add the item to a cart. |
| 2.4.1 | Click on “REMOVE” to remove the item from the cart. |
| 2.5 | Click on “ADD TO CART” next to “Sauce Labs Fleece Jacket” and “$49.99” shall add the item to a cart. |
| 2.5.1 | Click on “REMOVE” to remove the item from the cart. |
| 2.6 | Click on “ADD TO CART” next to “Sauce Labs Onesie” and “$7.99” shall add the item to a cart. |
| 2.6.1 | Click on “REMOVE” to remove the item from the cart. |
| 2.7 | Click on “ADD TO CART” next to “Test.allTheThings() T-Shirt (Red)” and “$15.99” shall add the item to a cart. |
| 2.7.1 | Click on “REMOVE” to remove the item from the cart. |

**Test\_01** includes steps 1, 1.1, 1.2, 1.3, 1.3.1, 1.4 or displaying Login Screen when the application is started, Username textbox which will be inserted “standard\_user”, Password textbox which will be inserted “secret\_sauce” and Click on the button LOGIN.   
**Test\_01** starts with method Initialization() that creates public static IWebDriver called driver. IWebDriver defines the interface through which the user controls the browser. A created driver is given a new ChromeDriver() which is an instance of the CromeDriver class. The next thing is navigating that driver to a website by URL <https://www.saucedemo.com/>. After the initialization is completed Test\_01 can start. The first thing in the test variable pageLogin is created by a custom class called LoginPage. In that class is just the initialization of that class and IWebElement variables. The next step is calling a method to do the Login into the page as any other user would do. Method Login() is defined in class LoginPage and it requires string value from userName and passWord. The first thing method does is finding the element which is called txtUserName on the website by Name “user-name” and performing another method from another class called EnterText() passing the userName value. EnterText() is defined in class SetMethods and it requires IWebElement and string. The method is performing SendKeys() which simulates typing into the element. The next thing the Login() method does is finding the txtPassword element on the website that is found by Name “password” and performing method EnterText() with “passWord” value. The last step of the Login() method is performing a button click which is done by btnLogin element and performing a Submit() method. BtnLogin element is found by Name “login-button” on the website. Submit() method is performing a click on the button. The Login() method is returning a new EAPage\_1Object, otherwise loading a HomePage. After the test is done a method CleanUp() is called by TearDown attribute immediately after the test is done. ClearUp() method is just closing a driver.

**Test\_02** includes steps from Test\_01 and steps 2.2, 2.3, 2.4, 2.5, 2.6, 2.7 or adding the items from Home Page to a shopping cart.   
**Test\_02** starts with method Initialization() that creates public static IWebDriver called driver. IWebDriver defines the interface through which the user controls the browser. The created driver is given a new ChromeDriver() which is an instance of the CromeDriver class. The next thing is navigating that driver to a website by URL <https://www.saucedemo.com/>. After the initialization is completed Test\_02 can start. The first thing in the test variable pageLogin is created by a custom class called LoginPage. In that class is just the initialization of that class and IWebElement variables. The next step is creating a variable pageEA which is type EAPage\_1Objects. PageEA is a variable that is equal to pageLogin and performing a method Login() in the same way as the Test\_01 is done. The next thing in the test is performing a DoTheShopping() method which is defined in the EAPage\_1Objects class. EAPage\_1Objects class is the HomePage of the website. The first thing in that class is the initialization of the class with the driver. DoTheShopping() method is a private method that is performing a button click on all the items on the HomePage. The first line is performing a Click() method on the element “btnItemSauceLabsBackpack” that is foundb y Name “add-to-cart-sauce-labs-backpack” on the website. Click() method is defined in SetMethods class and all it does is clicking the element that is passed. The second line is performing a Click() method on the element “btnItemSauceLabsBikeLight” that is found by Name “add-to-cart-sauce-labs-bike-light” on the website. Third line is performing a Click() method on the element “btnItemSauceLabsBoltT\_Shirt” that is found by Name “add-to-cart-sauce-labs-bolt-t-shirt” on the website. The fourth line is performing a Click() method on the element “btnItemSauceLabsFleeceJacket” that is found by Name “add-to-cart-sauce-labs-fleece-jacket” on the website. The fifth line is performing a Click() method on the element “btnItemSauceLabsOnesie” that is found by Name “add-to-cart-sauce-labs-onesie” on the website. Final line is performing a Click() method on the element “btnItemTestallTheThingsT\_ShirtRed” that is found by Name “add-to-cart-test.allthethings()-t-shirt-(red)” on the website. After the test is done a method CleanUp() is called by TearDown attribute immediately after the test is done. ClearUp() method is just closing a driver.

**Test\_03** includes steps from Test\_02 and steps 2.2.1, 2.3.1, 2.4.1, 2.5.1, 2.6.1, 2.7.1 or removing the items from the shopping cart.  
**Test\_03** is done the same way as Test\_02 but additionally, it has one more line that is calling a method RemoveItemsFromCart(). It is performing similar way as the DoTheShopping() method. The difference is that the RemoveItemsFromCart() method is removing items that are in the cart. RemoveItemsFromCart() method is private method. The first line is performing a Click() method on the element “btnItemRemoveSauceLabsBackpack” to remove the item from a cart found by Name “remove-sauce-labs-backpack” on the website. The second line is performing a Click() method on the element “btnItemRemoveSauceLabsBikeLight” to remove the item from a cart found by Name “remove-sauce-labs-bike-light” on the website. The third line is performing a Click() method on the element “btnItemRemoveSauceLabsBoltT\_Shirt” to remove the item from a cart found by Name “remove-sauce-labs-bolt-t-shirt” on the website. The fourth line is performing a Click() method on the element “btnItemRemoveSauceLabsFleeceJacket” to remove the item from a cart found by Name “remove-sauce-labs-fleece-jacket” on the website. The fifth line is performing a Click() method on the element “btnItemRemoveSauceLabsOnesie” to remove the item from a cart found by Name “remove-sauce-labs-onesie” on the website. Final line is performing a Click() method on the element “btnItemRemoveTestallTheThingsT\_ShirtRed” to remove the item from a cart found by Name “remove-test.allthethings()-t-shirt-(red)” on the website. After the test is done a method CleanUp() is called by TearDown attribute immediately after the test is done. ClearUp() method is just closing a driver.

**Test\_04** include steps from Test\_01 and steps 2.1 or clicking on the shopping cart menu and opening the shopping cart page.   
**Test\_04** is performing the same way as the Test\_01 but has an additional line of code that is performing click on the shopping cart and redirecting to the shopping cart page. Additional code is calling a method OpenCart(). OpenCart() method is defined in EAPage\_1Objects class and it is a public EAPage\_2Objecs type. That’s because when clicking on the shopping cart it redirects onto the shopping cart page. The method is calling a Click() method on the element “btnCart” that is found by Name “shopping\_cart\_container”. Finally, the method is returning new EAPage\_2Objects.