

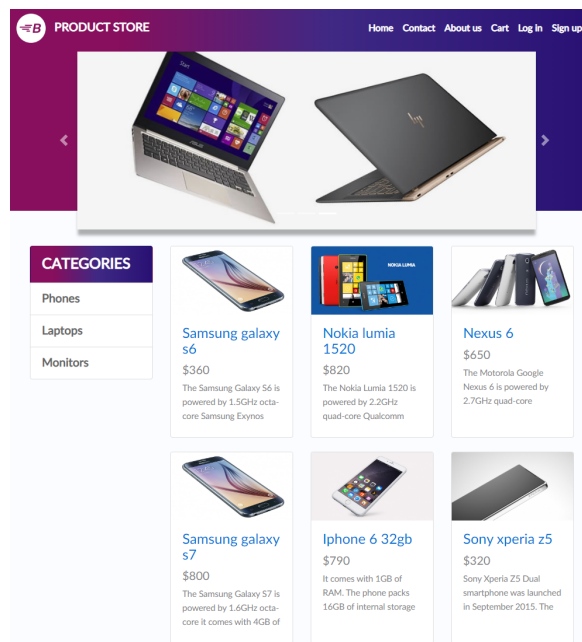
Demoblaze TAE

Introduction

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

Demoblaze is a demo shopping web page. It has different products. They are grouped by 3 categories: phones, laptops and monitors. The user can add and delete items to the cart. The user can also sign up and login with his credentials.

Its main page looks like this:



The user can perform different actions such as:

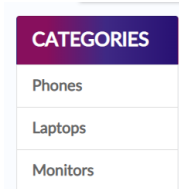
1. To click on the logo or page's name "product store" to redirect to the main page.
2. To interact with the different menu options

Home Contact About us Cart Log in Sign up

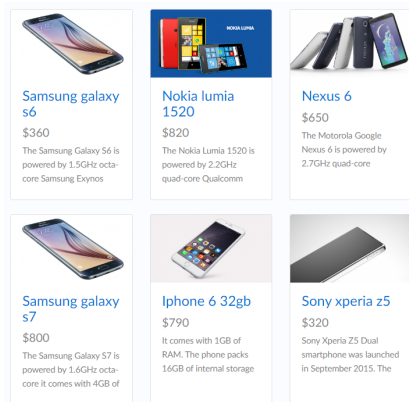
- a. Home: to redirect to the main page
 - b. contact : pop up to send a message to the administrator.
 - c. About us: pop up to play a video about the web page.
 - d. Cart: to redirect a page to show products on the cart.
 - e. Log in: pop up page to log in.
 - f. Sing up: pop up page to create a new user.
3. To change the main product image



- to select one of 3 categories to filter the products



- to select a product from the mesh of products available in the shop.



In this spring, we only will cover the main features such as:

- User sign up**
- User log in**

Requirements

ID	title	description	Static testing
R1	User sign up	On the main page users have the option to sign up. Users can sign up using an email and password. After that, users must log in with their new credentials.	<ul style="list-style-type: none"> - Does the pop up window appear correctly? - Do users have more than one option to sign up? - Is there an error if you submit the form with an username that already exists? - Is there any password validator? - Is there a confirmation for successful sign up?

R2	User Log in	<p>On the main page users have the option to log in. Users can log in using an email and password. After that, users can check their username on the main page.</p>	<ul style="list-style-type: none"> - Can users shop things anonymously? - Does the pop up window appear correctly? - Do users have more than one option to log in? - Is there an error when you submit the form with: <ul style="list-style-type: none"> - Empty username or password - Correct username but incorrect password - Username doesn't exist. - Is there a confirmation for successful log in? - Is the user redirected when he logs in successfully ? - Can the user always watch his username while he is navigating the web page?

Test cases

ID	Approach	Title	Pre-condition	Steps	Expected result
R1TC1	Positive	Pop up sign up window	User no authenticated User without credentials	<ol style="list-style-type: none"> 1. Go to main page https://www.demoblaze.com 2. Click on "sign up" option of the top right menu. 	Pop up a window with a form to sign up with username and password.
R1TC2	Positive	Successful sign up	User no authenticated User without credentials	<ol style="list-style-type: none"> 1. Go to main page https://www.demoblaze.com 2. Click on "sign up" option of the top right menu. 3. Fill out the username with a new and unique username 4. Fill out the password with any password. 5. Click on the button "sign up" to submit the form. 	Message alert with the text "Sign up successful."
R1TC3	Negative	Sign up validation password.	User no authenticated User without credentials	<ol style="list-style-type: none"> 1. Go to main page https://www.demoblaze.com 2. Click on "sign up" option of the top right menu. 3. Fill out the username with a new and unique username 4. Fill out the password with "1". 5. Click on the button "sign up" to submit the form. 	Message alert with the text "Invalid password."
R1TC4	Negative	Sign up validation username.	User no authenticated User with credentials	<ol style="list-style-type: none"> 1. Go to main page https://www.demoblaze.com 2. Click on "sign up" option of the top right menu. 3. Fill out the username with an existing username. 4. Fill out the password with any password. 5. Click on the button "sign up" to submit 	Message alert with the text "This user already exist."

				the form.	
R2TC1	Positive	Pop up log in window	User no authenticated User with credentials	<ol style="list-style-type: none"> 1. Go to main page https://www.demoblaze.com 2. Click on "log in" option of the top right menu. 	Pop up a window with a form to login with username and password.
R2TC2	Positive	Successful login	User no authenticated User with credentials	<ol style="list-style-type: none"> 1. Go to main page https://www.demoblaze.com 2. Click on "log in" option of the top right menu. 3. Fill out the username with a correct username 4. Fill out the password with the correct password. 5. Click on the button "log in" to submit the form. 	Redirection to the main page with the username on the top right corner.
R2TC3	Negative	Unsuccessful login by empty username and password	User no authenticated User without credentials	<ol style="list-style-type: none"> 1. Go to main page https://www.demoblaze.com 2. Click on "log in" option of the top right menu. 3. NO fill out the username 4. NO fill out the password 5. Click on the button "log in" to submit the form. 	Message alert with the text "Please fill out Username and Password."
R2TC4	Negative	Unsuccessful login by empty password	User no authenticated User has partial credentials	<ol style="list-style-type: none"> 1. Go to main page https://www.demoblaze.com 2. Click on "log in" option of the top right menu. 3. Fill out the username with a correct username 4. NO fill out the password 5. Click on the button "log in" to submit the form. 	Message alert with the text "Please fill out Username and Password."
R2TC5	Negative	Unsuccessful login by empty username	User no authenticated User has partial credentials	<ol style="list-style-type: none"> 1. Go to main page https://www.demoblaze.com 2. Click on "log in" option of the top right menu. 	Message alert with the text "Please fill out Username and Password."

				<ol style="list-style-type: none"> 3. NO fill out the username 4. Fill out the password with the correct password. 5. Click on the button “log in” to submit the form. 	
R2TC6	Negative	Unsuccessful login by wrong password and correct username	User no authenticated User has partial credentials	<ol style="list-style-type: none"> 1. Go to main page https://www.demoblaze.com 2. Click on “log in” option of the top right menu. 3. Fill out the username with the correct username. 4. Fill out the password with an incorrect password. 5. Click on the button “log in” to submit the form. 	Message alert with the text “Wrong password.”
R2TC7	Negative	Unsuccessful login by unexist username	User no authenticated User has partial credentials	<ol style="list-style-type: none"> 1. Go to main page https://www.demoblaze.com 2. Click on “log in” option of the top right menu. 3. Fill out the username with a new and unique username 4. Fill out the password with a password. 5. Click on the button “log in” to submit the form. 	Message alert with the text “User does not exist.”

Plan test

We made 2 types of test: smoke test and functional test

Smoke test

This test use the test cases “Successful sign up” (R1TC2) and “Successful login” (R2TC2) to verify that the main systems are working properly.

Functional test

This test is used to verify in detail the functionality of requirement 1 and 2. All the test cases are grouped by their requirement. These tests will run only if the smoke test fail.

Data test

We need to create the data test because the client didn't provide us with correct and incorrect usernames and passwords. There are 2 files: one with correct usernames and correct passwords (correct_credentials.json), and the other with incorrect usernames and passwords (incorrect_credential.json).

Everytime that a new user credentials are created by “Successful sign up “ R1TC2 test case, those credentials will be stored at “correct_credentials.json” file.

Environment test

First of all, the tests are running locally to check that they are working properly. The laptop, where the test run, has those specifications and uses this version of the program.

Procesador: 11th gen intel core i7-1185g7 @ 3.00ghz 1.8 GHz

Ram: 16 GB

Sistema operativo Windows 10 Enterprise 64 bits

Node.js: 18.13.0

Npm: 9.2.0

Frameworks:

1. Compiler: "@babel/core": "^7.21.3"
2. Test tools
 - a. Basic test: "@wdio/mocha-framework": "^8.6.8"

- b. Web automation: "@wdio/cli": "^8.6.9"
- 3. Reports: "@wdio/dot-reporter": "^8.6.8"
- 4. Browser driver: "chromedriver": "^111.0.0"