TEST PLAN

‘eCommerce Web Page’

*ChangeLog*

| **Version** | **Change Date** | **By** | **Description** |
| --- | --- | --- | --- |
| 1.0 | 01/06/2024 | Kevin Suarez San Martin | Creation and completion of the test plan |
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# **Introduction**

A new small eCommerce webPage is created as the first feature for this online shop. The main goal of the project is to cover the testing of this new shop following an automated test strategy. The solution is a new retail shop where users will be able to sign in, log in and make some purchases.

## **Scope**

### In Scope

* Web page UI functionalities
* APIs involved in the process

### Out of Scope

Other web pages in the portal that are not involved in purchase or Sign In/Login processes , load testing and performance testing.

## **Quality Objective**

* Ensure the Application Under Test conforms to functional and non-functional requirements
* Ensure the AUT meets the quality specifications defined by the client
* Bugs/issues are identified and fixed before go live
* Ensure that an automated solution is developed and deployed

# Resource & Environment Needs

## **Testing Tools**

Following tools will be needed to have a full coverage of testing parts:

* Requirements Tracking Tool
* Bug Tracking Tool (Jira)
* Automation Tools
  + Cypress
  + Postman
  + CI/CD

Required to test the project

## **Test Environment**

Following **hardware** is required:

* Computer o smartphone with internet connection available and with access to the resources under test

Following **software** is required:

* NodeJS
* Cypress
* Postman

# Test Scenarios & Test cases

## Test Scenarios

These are the test scenarios for the project:

* Check the access to the resource
* Check the Sign In/Login action
* Check the purchase process

## Test Cases

* Resource Access
  1. Verify that the home web page is available and can be accessed
  2. Verify that the correct error message is shown when the resource is not accessible
* Sign in/Login
  1. Verify that an account with valid data is created
  2. Verify that an account cannot be created with an email that was registered before
  3. Verify that an account cannot be created with an username that was registered before
  4. Verify that an account cannot be created with an invalid password
  5. Verify that an user can access with a valid user information
  6. Verify that an user cannot access with an email that is not registered
  7. Verify that an user cannot access with an invalid password
  8. Verify that an user can log out correctly
  9. Verify that “Forgot password” process works well with an email that is registered
  10. Verify that “Forgot password” process doesn’t send any information to an email that isn’t registered
  11. Verify that the delete account process works
* Purchase process
  1. Verify that access to product information page is available and works well
  2. Verify that the search functionality works well
  3. Verify that the clothe sections are available and let access to the group products
  4. Verify that a product is correctly added to the cart from the home page
  5. Verify that a product is correctly added to the cart from the product page
  6. Verify that quantity value is correctly applied when product is added to the cart
  7. Verify that the cart can be accessed
  8. Verify that the checkout process finishes correctly
  9. Verify that products can be deleted from cart
  10. Verify that user data is reused if a user that did a purchase before has saved the info
* Verify that the checkout process finishes correctly

**Assumptions:** Accessing to the resource with a valid user that is registered

| **Order** | **Step** | **Expected Result** |
| --- | --- | --- |
| 1 | Log in with a registered user | The user is logged in |
| 2 | Click on a product to access the product info page | The product is correctly clicked and the product info is shown |
| 3 | Change the quantity value to 5 | The quantity value is correctly changed |
| 4 | Click on ‘Add to cart’ button | The button is clicked |
| 5 | Access to the cart clicking on ‘View cart’ | The cart page is shown |
| 6 | Verify that the product was correctly added and the quantity is 5 | The product was added and the quantity value is 5 |
| 7 | Verify that the final price is correct | The final price is correct |
| 8 | Click on ‘Proceed To checkout’ button | The button is clicked and checkout page is shown |
| 9 | Verify that user info is correct and click on ‘Place order’ button | All values are correct, the button is clicked and payment page is shown |
| 10 | Complete payment information and click on ‘Pay and Confirm’ button | The payment info is added and button is correctly clicked |
| 11 | Verify that ‘Order completed’ message is shown and download the invoice | The message is displayed and invoice is downloaded |

## Test Data

In this section, the possible data that can be used is shown as an example of the user information that is used in a JSON format:

{

"username": "kevintest11",

"password": "prueba1234",

"title" : "Mr.",

"email": "kevin\_test11@test.com",

"birthday": {

"day": "31",

"month": "12",

"year": "1992"

},

"firstName": "Kevin",

"lastName": "Suarez",

"address": "ST. Test, test, 4, test",

"country": "Canada",

"state": "Asturias",

"city": "Aviles",

"zipCode": "33402",

"mobileNumber": "666666666",

"payment": {

"nameOnCard": "Kevin Suarez",

"cardNumber": 666666666,

"cvc": 999,

"expirationMonth": 11,

"expirationYear": 2029

}

}