Test Report

Project Name: https://www.cofetarulistet.ro/

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# Testing Scope

| Product/Feature | Testing Period | Tested Builds | Deployment Date |
| --- | --- | --- | --- |
| <https://www.cofetarulistet.ro/>  Online Shop with national delivery | 21.03.2024 – 22.03.2024 | TP Build 1 | 22.03.2024 |
| Registration |  |  |  |
| Log in |  |  |  |
| User account |  |  |  |
| Products |  |  |  |
| Shopping Cart |  |  |  |
| Search bar |  |  |  |
| Favourites |  |  |  |
| Payments |  |  |  |
| Orders |  |  |  |
| Performance testing |  |  |  |
| Security Testing |  |  |  |
| UI Testing |  |  |  |
| Compatibility Testing |  |  |  |

## Test Environment

| Test Environment | Software Details | Comments |
| --- | --- | --- |
| Production | OS: Windows 11 Pro  Version: 23H2 |  |
| Microsoft Edge Version 122.0.2365.92 (Official build) (64-bit) |  |
| Google Chrome Version 123.0.6312.58 (Official Build) (64-bit) |  |
| Samsung S23, OS: Android 14  Iphone 13 Pro Max, OS: IOS 17.2.1 |  |

## Testing Team

| Role | Name | Comments (e.g. test effort h) |
| --- | --- | --- |
| Junior Tester | Radu Comsa | 50 h |

# Test Results

## Executed Tests

| Functional Tests | Total | Passed | Failed | Blocked | Not Run | Defects |
| --- | --- | --- | --- | --- | --- | --- |
| Exploratory Testing | 21 | 18 | 3 | 0 | 0 | **0057169, 0057170, 0057171** |
| Smoke Testing | 16 | 13 | 3 | 0 | 0 | **0057172, 0057173, 0057174** |
| Component Testing | 5 | 5 | 0 | 0 | 0 |  |
| Negative Testing | 7 | 5 | 2 | 0 | 0 | **0057175, 0057176** |
| Positive Testing | 2 | 2 | 0 | 0 | 0 |  |
| **Results** | **51** | **43** | **8** | **0** | **0** |  |
| Non - Functional Tests | Total | Passed | Failed | Blocked | Not Run | Defects |
| Security Testing | 3 | 3 | 0 | 0 | 0 |  |
| Compatibility Testing | 4 | 4 | 0 | 0 | 0 |  |
| Performance Testing | 1 | 1 | 0 | 0 | 0 |  |
| **Results** | **8** | **8** | **0** | **0** | **0** |  |
| **Overall Results** | **59** | **51** | **8** | **0** | **0** |  |

## Performance test

1. The Performance test for the Cofetarul Istet website was conducted using GTmetrix which used Chrome 117.0.0.0 and Lighthouse 11.0.0 on test server located in Vancouver, Canada.
2. The GTmetric Grade is D on a scale from A to F:

* A (90-100%)
* B (80-89%)
* C (70-79%)
* D (60-69%) - 57% Performance\* and 71% Structure\*\*
* E (50-59%)
* F (0-49%)

The GTmetrix Grade blends the Performance and Structure scores into a single grade that reflects the overall performance of your website.

The Performance and Structure scores represent how fast the page loaded from a user's perspective, along with, how well it adheres to web-performance best practices.

\*The Performance Score is essentially your Lighthouse Performance Score, as captured by GTmetrix, with our custom audits, Analysis Options, browser and hardware specifications.

\*\*The Structure Score is GTmetrix assessment of Lighthouse and Custom GTmetrix audits.

1. The Web Vitals represent the most important timings to analyze, for a delightful page experience.

Web Vitals represent a small set of core metrics that indicate whether you're delivering a fast and (what Google calls) a delightful experience to your visitors.

The Web Vital is divided into 3 categories:

* LTP – score 4.7s (Largest Contentful Paint - measures how long it takes for the largest content element (e.g. a hero image or heading text) on your page to become visible within your visitors' viewport. For a good user experience, aim for an LCP of 1.2 seconds or less.)
* TBT – score 100ms (Total Blocking Time - tells you how much time is blocked by scripts during your page loading process.For a good user experience, aim for a TBT of 150 milliseconds or less.)
* CLS – score 0.08 (Cumulative Layout Shift - tells you how much time is blocked by scripts during your page loading process. For a good user experience, aim for a TBT of 150 milliseconds or less.)

1. Recommendations:

# 

# Defects

## New defects

| Defect ID | Defect summary | Severity |
| --- | --- | --- |
| [0057169](https://bugs.scoalainformala.ro/view.php?id=57169) | Registration - Successful registration not followed by a confirmation email | **normal** |
| [[0057170](https://bugs.scoalainformala.ro/view.php?id=57170)](https://bugs.scoalainformala.ro/view.php?id=53755) | The anpc.ro site is not opened in a new tab | **normal** |
| [[0057171](https://bugs.scoalainformala.ro/view.php?id=57171)](https://bugs.scoalainformala.ro/view.php?id=53756) | EU Commission Online Dispute Resolution website not opening in new tab | **normal** |
| [0057172](https://bugs.scoalainformala.ro/view.php?id=57172) | Cancelling an order is not possible from the website | **major** |
| [0057173](https://bugs.scoalainformala.ro/view.php?id=57173) | Placing an order in guest mode is not possible | **normal** |
| [0057174](https://bugs.scoalainformala.ro/view.php?id=57174) | Deleting an account is not possible | **major** |
| [[0057175](https://bugs.scoalainformala.ro/view.php?id=57175)](https://bugs.scoalainformala.ro/view.php?id=53760) | Register a new account using special characters for user name possible | **major** |
| [0057176](https://bugs.scoalainformala.ro/view.php?id=53761) | Register a new account using numbers for user name is possible | **major** |

## Validated bugs

No Bugs are validated.

## Old bugs still open

There are no old bugs still open.

# Conclusions

Testing Cofetarul Istet online shop was both an opportunity to dig more into real environment testing and a challenge to find out how my friend’s website was built. Even though the most important functionalities have been covered by the test cases, I am sure that this is just a part of what else can be tested.

Putting myself in the shoes of a normal user was easy but not without challenges as I was not acquainted with this site and its products. At the beginning I started to write down possible test cases while surfing on the website, in order to establish the problems a user may encounter in normal usage.

As there were no requirements and specifications for this project, the goal was to cover the website content as much as possible with relevant tests and the approach was to divide the testing in both Functional Tests and Non-Functional Tests

The total number of tests conducted was 59, out of which 51 tests (86.4%) passed and the remaining 8 tests (13.6%) failed. No blocked tests were found.

Functional Tests were divided into Exploratory (36%), Smoke (27%), Component (8%), Negative (12%) and Positive (3%) while the Non-Functional Tests were divided into Security (5%), Compatibility (7%) and Performance (2%).

Out of 8 bugs, 50% have normal severity and 50% have major severity.

The most important functionalities tested were features like Registration, Login, Logout, User account, Shopping Cart, Products, Search bar, Favourites, Payments and Orders.

Compatibility tests showed that regardless the OS used the bugs reproduced on all environments where they were tested.

There are 3 defects categorized as improvements, 3 categorized as bugs and 2 categorized as feature. I will surely pass this information to my friend so that updates to the site can be made if he chooses so, along with other UI improvements noticed during tests but not covered by Test Cases.