Test Report

Project: [w](http://www.bigfish.ro/)ww.romstal.ro

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# Objective

Main objective of this testing session was to validate that the website can be used properly, efficiently and safe by customers in order to purchase the desired products. In this regard, the main functionalities were tested using various testing types and techniques.

# Product description

The focus of the testing effort was a Romanian E-commerce website that has the purpose of facilitating the process of buying a wide variety of sanitary equipment and installations. The website can be accessed via <https://www.romstal.ro/.>

# Features and functionalities tested

|  |  |
| --- | --- |
| Autentificare | Compatibility |
| Inregistrare | Security |
| Contul meu | UI |
| Cauta produse | Usability |
| Cos de cumparaturi | Performance |
| Homepage | Smoke testing |
| Newsletter |  |

# Testing Tools

* TestLink;
* Mantis Bug Tracker;
* Microsoft Office;
* Windows Snipping tool;
* X-Mind
* Deadlinkchecker
* GTMetrix
* validator.w3.org
* web.dev
* pingdom.com

# Testing Scope

| Product/Feature | Testing Period | Tested Builds | Deployment Date |
| --- | --- | --- | --- |
| Autentificare | **25.04.2022-25.05.2022** | **1.0** | **25.05.2022** |
| Inregistrare | **25.04.2022-25.05.2022** | **1.0** | **25.05.2022** |
| Contul meu | **25.04.2022-25.05.2022** | **1.0** | **25.05.2022** |
| Cauta produse | **25.04.2022-25.05.2022** | **1.0** | **25.05.2022** |
| Cos de cumparaturi | **25.04.2022-25.05.2022** | **1.0** | **25.05.2022** |
| Homepage | **25.04.2022-25.05.2022** | **1.0** | **25.05.2022** |
| Newsletter | **25.04.2022-25.05.2022** | **1.0** | **25.05.2022** |

## Test Environment

| Test Environment | Software Details | Comments |
| --- | --- | --- |
| Production | OS:Windows  Version 7 Ultimate Service Pack 1 |  |
| Mozilla Firefox 49.0.2 |  |
| Google Chrome 101.0.4951.67 |  |
| MS Edge 11.0.7  Opera browser |  |
| Huawei Nova 5T Mobile Device  OS: Android 12  Huawei Browser 12.0.3.314  Apple Iphone 11 PRO  OS: iOS 15.4.1  Safari Browser |  |
|  | Samsung Smart TV UE49RU7302  OS: Tizen 1392 |  |

## Testing Team

| Role | Name | Comments (e.g. test effort h) |
| --- | --- | --- |
| Senior Tester | Schiopu Catalin Alexandru | 60 h |

# Test Results

## 8.1 Executed Test Cases

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Status** | | | | | | |
| **Pass %** | **No of tests** | **Passed** | **Failed** | **Blocked** | **Not tested** | **Defects** |
| [Inregistrare](" \l "'Feature 1'!A1) | 77.14% | 35 | 27 | 8 | 0 | 0 | 0040997, 0040998, 0040999, 0041002, 0041003, 0041004, 0041005, 0041006. |
| [Autentificare](" \l "'Feature 2'!A1) | 100.00% | 25 | 25 | 0 | 0 | 0 |  |
| [Contul meu](" \l "'Feature 3'!A1) | 97.50% | 40 | 39 | 0 | 0 | 1 | 0041016 |
| [Cauta produse](" \l "'Feature 2'!A1) | 100.00% | 10 | 10 | 0 | 0 | 0 |  |
| [Cos de cumparaturi](" \l "'Feature 3'!A1) | 96.67% | 30 | 29 | 1 | 0 | 0 | 0041013 |
| [Homepage](" \l "'Feature 4'!A1) | 100.00% | 30 | 30 | 0 | 0 | 0 |  |
| [Newsletter](" \l "'Feature 2'!A1) | 100.00% | 5 | 5 | 0 | 0 | 0 |  |
| [Compatibility](" \l "'Feature 4'!A1) | 100.00% | 10 | 10 | 0 | 0 | 0 |  |
| [Security](" \l "'Feature 4'!A1) | 80.00% | 5 | 4 | 1 | 0 | 0 | 0041015 |
| [UI](" \l "'Feature 4'!A1) | 100.00% | 5 | 5 | 0 | 0 | 0 |  |
| [Usability](" \l "'Feature 4'!A1) | 100.00% | 5 | 5 | 0 | 0 | 0 |  |
| [Performance](" \l "'Feature 4'!A1) | 100.00% | 5 | 5 | 0 | 0 | 0 |  |
| [Exploratory Testing](" \l "'Feature 4'!A1) | NA | NA | NA | NA | NA | NA | 0041018, 0041019, 0041022, 0041024, 0041026, 0041029, 0041027, 0041031, 0041035. |
| **OVERALL RESULTS** | **95.94%** | **205** | **194** | **12** | **0** | **0** | **20** |

## 8.2 Smoke testing

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Smoke testing** | **Status** | | | | | | |
| **Pass %** | **No of tests** | **Passed** | **Failed** | **Blocked** | **Not tested** | **Defects** |
| [Inregistrare](" \l "'Feature 1'!A1) | 77.14% | 1 | 1 | 0 | 0 | 0 |  |
| [Autentificare](" \l "'Feature 2'!A1) | 100.00% | 2 | 2 | 0 | 0 | 0 |  |
| [Contul meu](" \l "'Feature 3'!A1) | 97.50% | 7 | 6 | 0 | 0 | 1 | 0041016 |
| [Cauta produse](" \l "'Feature 2'!A1) | 100.00% | 1 | 1 | 0 | 0 | 0 |  |
| [Cos de cumparaturi](" \l "'Feature 3'!A1) | 96.67% | 8 | 8 | 0 | 0 | 0 |  |
| [Newsletter](" \l "'Feature 2'!A1) | 100.00% | 1 | 1 | 0 | 0 | 0 |  |
| **OVERALL RESULTS** | 95.22% | 20 | 19 | 0 | 0 | 1 | 1 |

# Defects

|  |  |  |
| --- | --- | --- |
| **Defect ID** | **Defect summary** | **Severity** |
| |  | | --- | | [0040997](https://bugs.scoalainformala.ro/view.php?id=40997) | | User is able to create an account using digits only for "Prenume" | **Major** |
| |  | | --- | | [0040998](https://bugs.scoalainformala.ro/view.php?id=40998) | | User is able to create an account using large data for "Prenume" | **Major** |
| |  | | --- | | [0040999](https://bugs.scoalainformala.ro/view.php?id=40999) | | User is able to create an account using special characters only for "Prenume" | **Major** |
| |  | | --- | | [0041002](https://bugs.scoalainformala.ro/view.php?id=41002) | | User is able to create an account using digits only for "Nume" | **Major** |
| [0041003](https://bugs.scoalainformala.ro/view.php?id=41003) | User is able to create an account using special characters only for "Nume" | **Major** |
| [0041004](https://bugs.scoalainformala.ro/view.php?id=41004) | User is able to create an account using large data for "Nume" | **Major** |
| [0041005](https://bugs.scoalainformala.ro/view.php?id=41005) | User is able to create an account without digits in "Parolă" field | **Major** |
| |  | | --- | | [0041006](https://bugs.scoalainformala.ro/view.php?id=41006) | | User is able to create an account with large data input in "Parolă" field | **Major** |
| [0041013](https://bugs.scoalainformala.ro/view.php?id=41013) | User is able to checkout using invalid data | **Major** |
| [0041015](https://bugs.scoalainformala.ro/view.php?id=41015) | User is able to choose a weak password | **Critical** |
| [0041016](https://bugs.scoalainformala.ro/view.php?id=41016) | User is not able to delete his account | **Critical** |
| [0041018](https://bugs.scoalainformala.ro/view.php?id=41018) | Mid page banner is false highlighted as link | Minor |
| [0041019](https://bugs.scoalainformala.ro/view.php?id=41019) | Footer page banner is false highlighted as link | Minor |
| [0041022](https://bugs.scoalainformala.ro/view.php?id=41022) | "Contul meu" drop list covers personal data information | Normal |
| |  | | --- | | [0041024](https://bugs.scoalainformala.ro/view.php?id=41024) | | "Contul meu" drop list covers wishlist products | Normal |
| |  | | --- | | [0041026](https://bugs.scoalainformala.ro/view.php?id=41026) | | Google Maps error displayed in the "Magazine" page | Normal |
| |  | | --- | | [0041027](https://bugs.scoalainformala.ro/view.php?id=41027) | | User is able to find broken links with www.deadlinkchecker.com | Normal |
| |  | | --- | | [0041029](https://bugs.scoalainformala.ro/view.php?id=41029) | | The websites loading time is much bigger than recommended | Normal |
| [0041031](https://bugs.scoalainformala.ro/view.php?id=41031) | The web site has low performance metrics in matter of usability and performance | Normal |
| |  | | --- | | [0041035](https://bugs.scoalainformala.ro/view.php?id=41035) | | After log in with Google and then log out, user is automatically logged in with Google | **Major** |

# Testing types

A total of **225** **test cases** have been designed for this session, **225** (**100%**) were executed and 11 were failed (**4.88%**) and **1 (0.04%)** not tested.

# Smoke tests

A total of **20** **test cases** have been designed for this session, **20** (**100%**) were executed and **1** was not tested (**5%**).

# Test rate per functionality

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test overview** | **Status** | | | | |
| **No of tests** | **Passed** | **Failed** | **Blocked** | **Not tested** |
| [Inregistrare](" \l "'Feature 1'!A1) | 35 | 77.14% | 22.85% | 0% | 0% |
| [Autentificare](" \l "'Feature 2'!A1) | 25 | 100.00% | 0% | 0% | 0% |
| [Contul meu](" \l "'Feature 3'!A1) | 40 | 97.50% | 0% | 0% | 2.75% |
| [Cauta produse](" \l "'Feature 2'!A1) | 10 | 100.00% | 0% | 0% | 0% |
| [Cos de cumparaturi](" \l "'Feature 3'!A1) | 30 | 96.67% | 3.33% | 0% | 0% |
| [Homepage](" \l "'Feature 4'!A1) | 30 | 100.00% | 0% | 0% | 0% |
| [Newsletter](" \l "'Feature 2'!A1) | 5 | 100.00% | 0% | 0% | 0% |
| [Compatibility](" \l "'Feature 4'!A1) | 10 | 100.00% | 0% | 0% | 0% |
| [Security](" \l "'Feature 4'!A1) | 5 | 80.00% | 20% | 0% | 0% |
| [UI](" \l "'Feature 4'!A1) | 5 | 100.00% | 0% | 0% | 0% |
| [Usability](" \l "'Feature 4'!A1) | 5 | 100.00% | 0% | 0% | 0% |
| [Performance](" \l "'Feature 4'!A1) | 5 | 100.00% | 0% | 0% | 0% |
| [Exploratory Testing](" \l "'Feature 4'!A1) | NA | NA | NA | NA | NA |
| **OVERALL RESULTS** | 205 | 96.20%% | 5.80% | 0 | 0 |

# 

# Conclusions

Smoke Test Cases, for the main functionalities in a percent of 100% were executed, 95% passed and 5% failed. The failed test cases are related to the “Contul meu” functionality.

A total number of 20 new defects were identified (14 bugs and 6 improvement cases), 2 of them were identified as critical severity, 10 as major severity, 6 as normal severity and 2 as minor severity.

In addition to Smoke and Positive testing, testing types such as: Functional Testing, Exploratory, Compatibility, Security, UI, Usability, were covered.

Exploratory testing was performed for important functionalities. A large number of bugs were identified during exploratory testing, 1 of them is major, 4 of them were normal and 2 of them minor. Most of defects were related to the Shopping Cart and “Contul meu”, but also for other functionalities.

Most of the bugs were identified by Negative Testing.

Compatibility testing was also performed, for different browsers and devices. The bugs reproduce on all browsers and devices.

Considering the number of high severity bugs identified, on all important functionalities, the fixing of at least the major severity bugs is recommended, although the application is already in production.