Test Summary Report
for

MD Web Store

Version 1.0 approved

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Revision History					
Version	**Description**	**Author**	**Date**	**Approved by**	
				Author	**Date**
Version 1.0		Boridko Tetiana Tsaruk Tamara Yashchenko Serhii Kremin Zoriana			

Test Summary Report MD Web Store.it

1. Summary

This document outlines the sequence and the various of activities conducted during the testing of the **MDWebStore.IT** online store.

MD Web Store is the e-commerce of the Italian supermarket chain MD. Is an online platform for purchasing goods and accessories, specializing in smartphones and electronics. Its primary users are customers searching for reliable devices and accessories for modern living.

The main objective of the testing was to verify the proper functioning of the system, identify potential errors and defects, and provide recommendations for enhancing the website's functionality and overall user-friendliness.

2.Test Items

2.1. Areas Covered

- Website Navigation
- Catalog
- Order Checkout
- Adding Items to Cart
- Registration and Login
- Personal Account
- Product Search: Filters and Sorting
- Product and Page Display
- Contact Forms
- Social Media Integration(Social links)
- Security Testing
- Load Testing
- Stress Testing

2.2. Areas Not Covered

- Background images of the website and pages
- Color scheme
- Logo
- External Services and APIs
- Spam and User Security
- Admin Interface
- Payment system
- Error Handling and Exception Handling

- Responsive Design

3. Environment

OS	Browser
Windows 11 Pro	Google Chrome (116.0.5845.188)
Windows 10 Pro (1903)	Opera 56.0.3051.104
Windows 11 Pro	Mozilla Firefox (117.0.1)
Android 13	Chrome (14.37.22.28.arm64)
Android 13	Chrome (117.0.5938.60)
Android 12	Samsung Internet (22.0.6.9)

4.Testing Approaches

The following types of testing were used to test the software:

- Black Box Testing
- System Testing
- Usability testing
- Cross-Browser Testing
- UI testing(User Interface Testing)
- Automation testing
- Performance Testing
- Security Testing

The following Test design techniques should be used:

- Equivalence partitioning
- Boundary value analysis
- Error guessing
- Decision Table
- Use Case Testing
- Checklist-based Testing

5.Variances

Through the conducted testing, it can be noted that the primary functionality that impacts the website's operation works satisfactorily. 98% of the tests have been completed. Out of the reported errors and bugs, there were 3 major issues and 13 low/medium issues. While certain features require refinement and bug resolution, the system remains functional. It is advisable to address the existing errors.

6.Summary of the results

The total number of requirements is 61. The number of Functional requirements is 55, and Non-Functional is-6 (Fig.1).
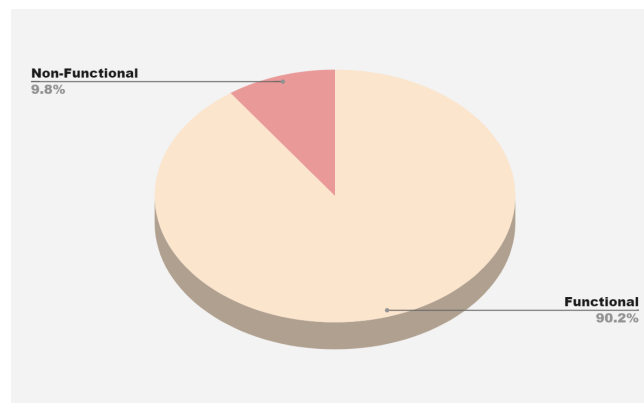

Fig.1 Number of Requirements

There are 61 User Stories described in total. All User Stories are covered by tests, 76 of which covered by Test Cases and 38 covered by Check List. Table 1

shows how much Test Cases were planned, executed, failed and passed. While Fig. 2 shows percentages of failed and passed Test Cases.

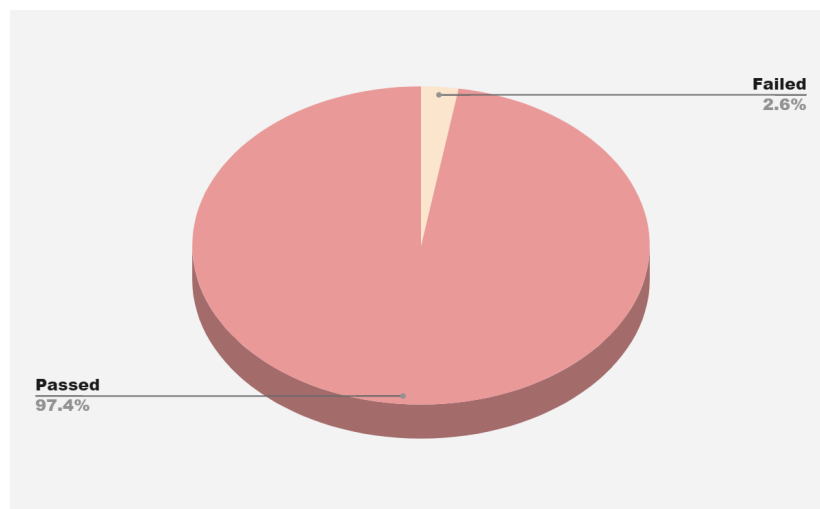| Test Cases Planned	Test Cases executed	TCs passed	TCs failed
76	76	74	2

Tabl.1 Test Cases execution

Fig.2 Test Cases execution

Table. 2 shows how much Check Lists were planned, executed, failed and passed. While Fig. 3 shows percentages of failed and passed Check Lists.

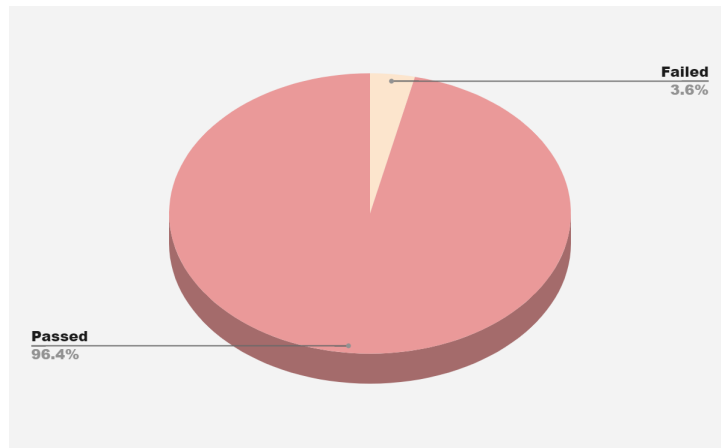| Check List Planned	Check List executed	CLs passed	Chs failed
168	165	159	6

Tabl.2 Check Lists execution

Fig.3 Check Lists execution

The diversion of TCs Priority is Low - 22 TCs, Medium - 25 TCs, and High - 18 TCs (Tabl.3) and Fig.4.

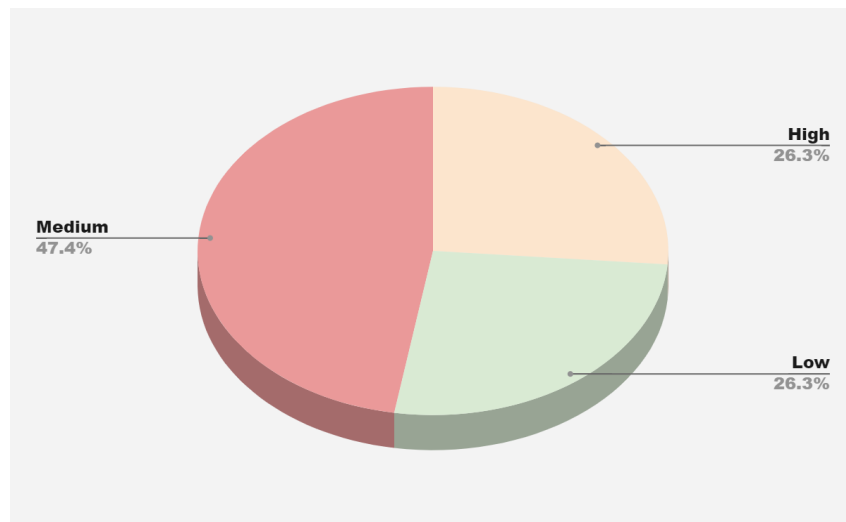| Total amount of TCs	Low	Medium	High
168	20	25	18

Tabl.3 Diversion of TCs Priority

Fig.4 Diversion of TCs Priority

There were found 16 Bugs in tested web application (Tabl.4).

Number of Defects	Low	Minor	Major	Critical	Blocked
16	7	6	3	0	0

Tabl. 3 Total amount of Bugs

The next tables show the total number of bugs received after testing and their distribution by severity (Fig.4) and priority (Fig.5).
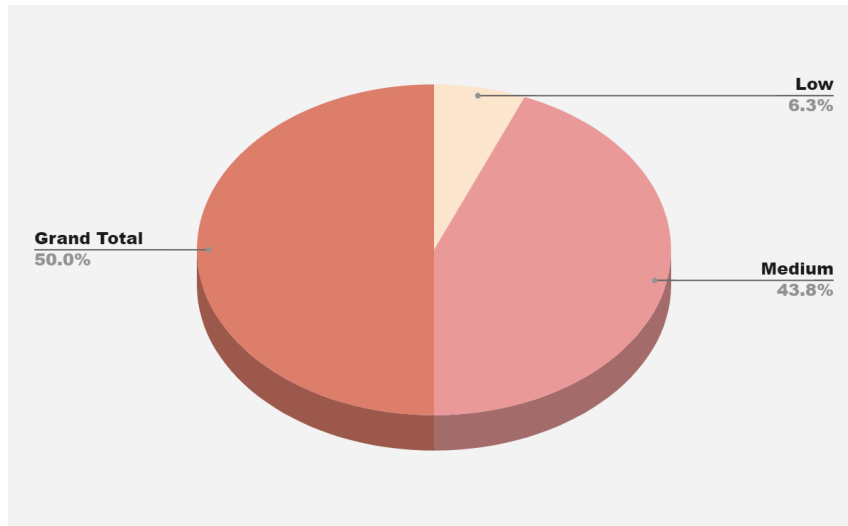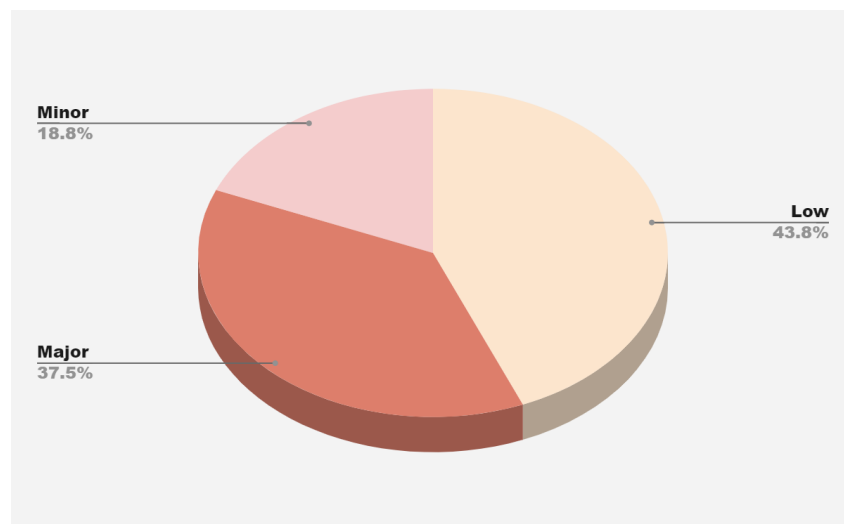

Fig.4 Bug Priority

Fig. 5 Bug Severity

The figure below (Fig.6) shows bug distribution within the system's modules. Recommended paying attention to the modules where bugs with major severity and high priority appear more frequently: Navigation, Cart, Contact Us section, Search.

These modules are important parts of the system that's why the bugs related to them should be eliminated immediately.
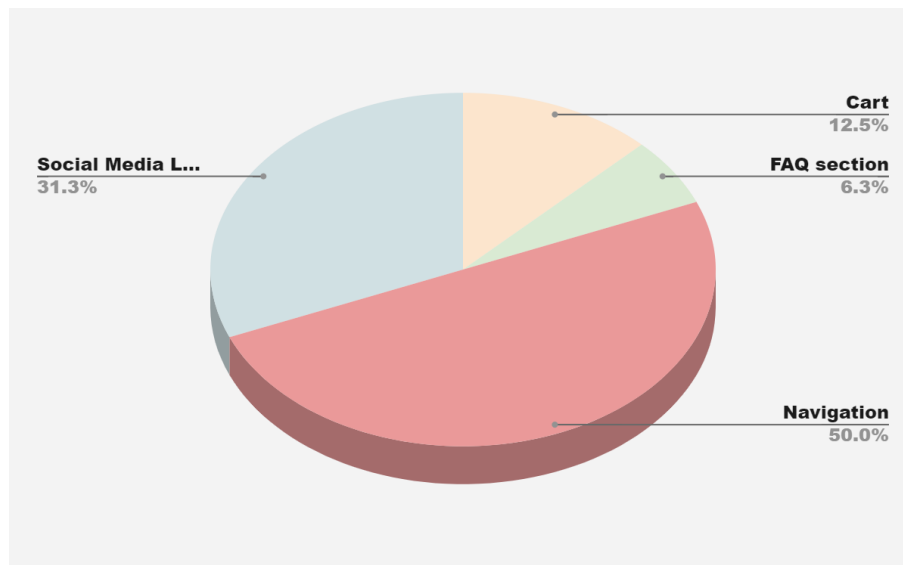

Fig.6 Bug distribution

7.Summary of Activities

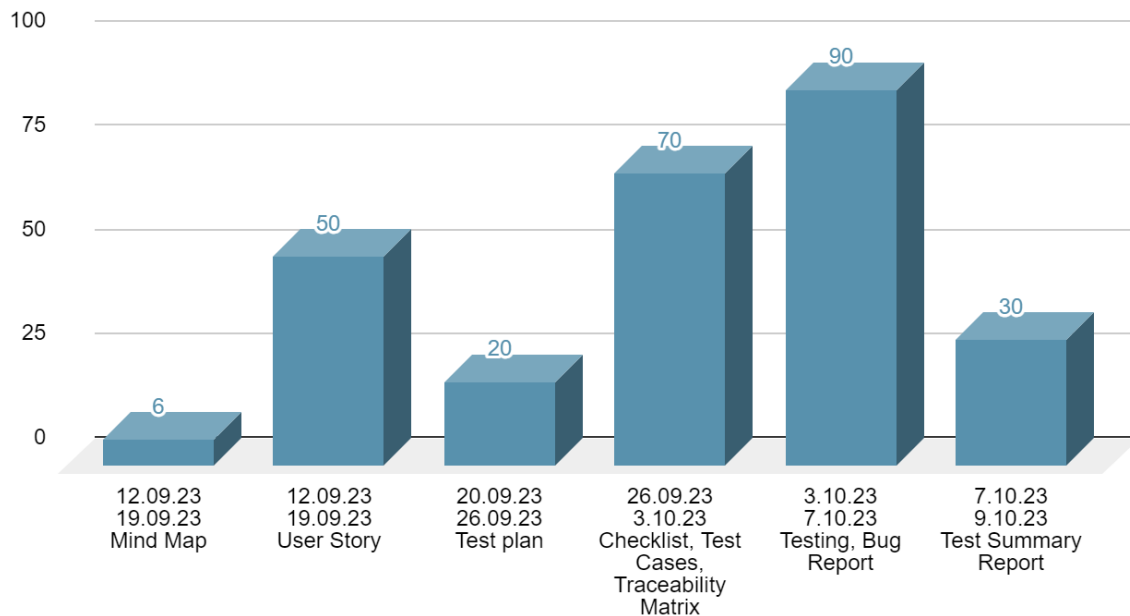| Documents	Start Date	End Date	Time, h
Mind Map	12/09/2023	19/09/2023	6
User Story	12/09/2023	19/09/2023	50
Test plan	20.09.2023	26/09/2023	20
Checklist, Test Cases, Traceability Matrix	26/09/2023	3/10/2023	70
Testing	3/10/2023	7/10/2023	90
Bug Report			
Test Summary Report	7/10/2023	9/10/2023	30

Estimated total time:	266

Fig. 7 Spent time

8.Overall Summary

During the conducted testing, several important issues requiring attention and further improvement were identified. First and foremost, the absence of markers for mandatory fields on the website was noticed. This can lead to misunderstandings among users and inquiries regarding the necessity of entering specific data.

Another significant aspect is the lack of textual prompts (placeholders) in some input fields. Adding placeholders can significantly ease the work of users and make the data entry process more intuitively understandable.

However, the most significant problems arose when displaying the website on mobile devices. The absence of correct rendering of cross-links and links to social networks was noted. This can create a negative impression of the product among users, as they may encounter issues while navigating the site.

On the positive side, the overall functionality of the website works satisfactorily and complies with established standards and user expectations. Out of 100% planned tests, 98% were successfully completed.

It is also worth noting that some aspects of the system were not tested due to limited resources and restricted access to the administrative section.

Specifically, background images on the website and its pages, the logo, the admin interface, and the payment system were not tested.

Taking into account the aforementioned issues and opportunities for improvement, it is recommended to take measures to address errors and enhance the user experience. It should be emphasized that some parts of the system remained untested due to limited resources, restricted access to the administrative section, quality assurance qualifications, and limited time.

9. Recommendations

1. Add a placeholder for the phone number field: You have the option to add a text hint (placeholder) that guides the user on the required phone number format. For example, "Enter your phone number in the format: (XXX) XXX-XXXX." This will help users better understand how to enter their number correctly.

2. Improve adaptation for mobile devices: When developing or enhancing website pages, consider that they will be viewed on various mobile devices with different screen sizes. Ensure that content automatically adapts for comfortable viewing on small screens, such as by using responsive design and media queries.

3. Adding localization functionality: This feature will allow users to change the language in which website content is displayed. You should prepare translations for all texts on the site in different languages and add the option to select the language on the website, possibly in the top or bottom menu.

Additionally, remember to conduct regular checks and testing to detect and address new errors after fixing the previous ones.

10. Approvals

Document Approved By	Date Approved	Signature
Name: Job Title: Company:		

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