Manual Testing Project Smoke Testing

Application Cărturești
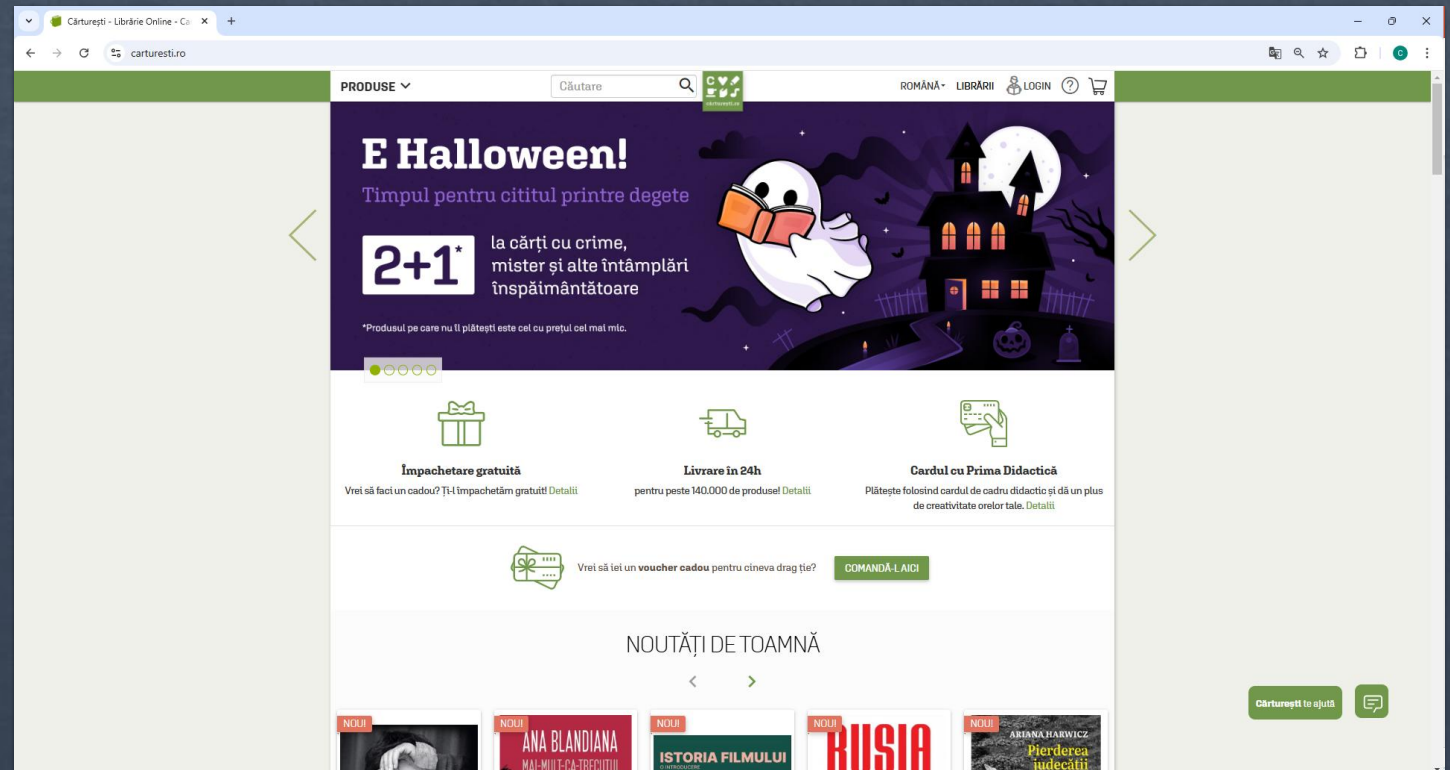
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Overview of the Cărturești Application

Description:
- E-commerce platform for books, music, lifestyle products, and gifts
- Simple, accessible shopping experience
- Targeted at readers, art lovers, and gift shoppers

Key Features:
- Intuitive navigation and search by title, author, and category
- Personalized product recommendations
- Shopping cart, wishlist, multiple payment options
- User profile and login functionality

Testing Objectives &Types of Testing Performed

Testing Objectives:
- ◈ Validate essential functionalities of the Cărturești application
- ◈ Identify critical issues that could impact user experience

Types of Testing Performed
- ◈ **Exploratory Testing** - Identify unexpected behaviors and familiarize with the application.
- ◈ **Smoke Testing -** Validate essential functionalities for build stability.
- ◈ **Functional Testing -** Verify that features work according to specifications.
- ◈ **Positive Testing -** Confirm proper application response to valid inputs.
- ◈ **Negative Testing -** Assess application behavior with invalid inputs.
- ◈ **UI Testing -** Ensure interface elements display correctly.
- ◈ **Usability Testing -** Evaluate user experience and navigation ease.
- ◈ **Dynamic Testing -**Testing the application in real-time to verify functionality.
- ◈ **Black Box Testing -** Testing functionality without knowledge of the source code.
- ◈ **Manual Testing -** Testing performed manually to find errors from the user's perspective.
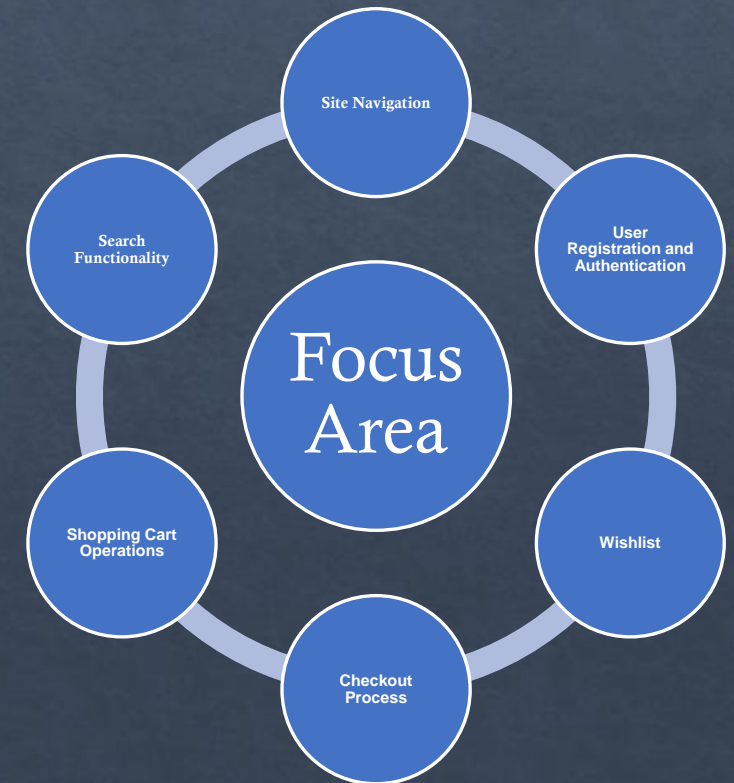
Smoke Testing

Purpose:
- Ensure that the core functionalities of the Cărturești application work correctly and without critical errors.
- Smoke testing provides a quick check to identify major issues before detailed testing begins.

Focus Areas:
- **Navigation:** Verifying the menu, category pages, and overall site structure to ensure intuitive navigation.
- **Search Functionality:** Testing search functionality for specific titles, genres, and products.
- **User Registration and Authentication:** Verifying the account creation and login process.
- **Shopping Cart Operations:** Testing cart functionality, including adding/removing products and updating quantities.
- **Checkout Process:** Validating the order completion process, checking payment methods, and delivery options.
- **Wishlist:** Ensuring users can add products to their wishlist to save items for future purchases.

Smoke Testing suite – Test cases

SMC repository 25 cases (25) | 9 suites (9)

≡ **Views** ▼

+ Suite   + Case   [Search]   Add filter

≡ **Suites**

▼ **Smoke Testing - Carturesti**   18 ⋯
  ▾ Site Navigation   5 ⋯
  ▾ Registration and Authentication   4 ⋯
  ▾ Shopping cart   4 ⋯
  ▾ Checkout   2 ⋯
  ▾ Wishlist   3 ⋯
▸ Negative testing   4 ⋯
▸ UI Testing   2 ⋯
▸ Usability testing   1 ⋯

Smoke Testing - Carturesti + ✎ ⧉ 🗑

+ Create quick test

Site Navigation + ✎ ⧉ 🗑

— 👆 SMC-23   Verify if the Homepage loads correctly and the header elements are present and functional
— 👆 SMC-24   Verify if Homepage content is displayed correctly and links are functional
— 👆 SMC-25   Verify if footer displays correctly and includes essential information and links
— 👆 SMC-9   Verify if search functionality works for a specific book title using the search button (magnifying glass icon)
— 👆 SMC-21   Verify if product filtering works correctly for selected criteria

+ Create quick test

Registration and Authentication + ✎ ⧉ 🗑

— 👆 SMC-1   Verify if new user can register successfully with valid information
— 👆 SMC-5   Verify if user can log in successfully with a valid account
— 👆 SMC-7   Verify if 'Forgot Password' functionality works for a registered user
— 👆 SMC-8   Verify if user can logout successfully from the application

+ Create quick test

Shopping cart + ✎ ⧉ 🗑

— 👆 SMC-14   Verify if user can successfully add a product to the cart
— 👆 SMC-15   Verify if user can successfully remove a product from the cart
— 👆 SMC-16   Verify if the total amount in the cart is calculated correctly
— 👆 SMC-18   Verify if user can modify the quantity of a product in the checkout page and update the total amount

+ Create quick test

Checkout + ✎ ⧉ 🗑

— 👆 SMC-26   Verify if user can enter and submit valid delivery information during checkout
— 👆 SMC-27   Verify if user can successfully process payment using a card during checkout

+ Create quick test

Wishlist + ✎ ⧉ 🗑

— 👆 SMC-22   Verify if user can successfully add a product to the wishlist
— 👆 SMC-30   Verify if user can remove a product from the wishlist
— 👆 SMC-31   Verify if user can move a product from the wishlist to cart

+ Create quick test

Smoke Testing – Example Test case

SMC-5

Verify if user can log in successfully with a valid account

[✏ Edit] [⎘ Clone] [🗑 Delete] [⚙ AI Test Case]

General   Run history   Change history   Defects   Comments

Description
Verifies the functionality of logging in with a valid account.

Pre-conditions
The user has a valid account.

Post-conditions
Not set

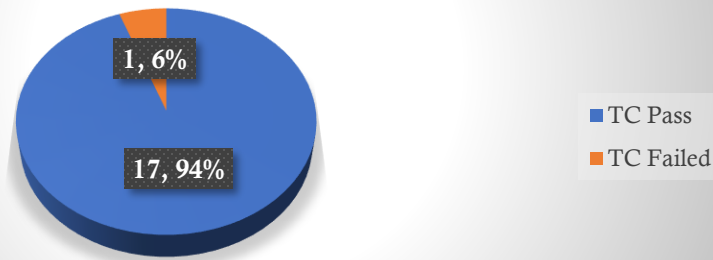**Steps**   Shown as table 🔵

		Action	Data	Expected result	Attachments
○	1	Open a browser and navigate to https://carturesti.ro/.		The browser opens, and the webpage successfully loads.	
○	2	Click on the "LOGIN" button in the upper right corner.		A pop-up window for login and registration appears.	
○	3	Click on the "UTILIZATOR EXISTENT" button.		The pop-up expands, displaying the login fields.	
○	4	Enter the valid email address in the "Email" field.	cristiana.livadariu@gmail.com	The email address is successfully inserted.	
○	5	Enter the valid password in the "Parolă" field.	parolamea	The email address is successfully inserted.	
○	6	Click on the "AUTENTIFICARE" button within the pop-up.		The application processes the login request and redirects the user to the main page.	
○	7	Verify that the user is logged in.		The user is successfully logged in, and the "SALUT" button appears in the upper right corner, confirming the successful login.	

Smoke Testing Results

Test cases planed	Test cases executed	Test cases Passed	Test cases Failed
18	18	17	1

Smoke Testing - Test Cases Passed vs Failed

- TC Pass
- TC Failed

Successes:
- All smoke tests were successfully executed, confirming that core functionalities are stable and operational.
- Primary workflows (navigation, , registration, checkout) functioned as expected.

Identified Issues:
- During smoke testing, only one issue was identified: The search button (magnifying glass icon) does not initiate a search.

Bug Report - Example

The test case failed

SMC-9

Verify if search functionality works for a specific book title using the search button (magnifying glass icon)

Edit   Clone   Delete   AI Test Case

General   Run history   Change history   Defects   Comments

Description

Verifies the search functionality of a specific book title (e.g.: "Baiatul cu pijamale in dungi") using the search button (magnifying glass icon).

Pre-conditions

- The user is on the Cărturești homepage

Post-conditions

Not set

Steps

Shown as table 🔵

		Action	Data	Expected result	Attachments
○	1	Locate the search bar on the homepage.		The search bar is visible and easily accessible at the top of the homepage.	
○	2	Enter the search keyword into the search bar (E.G.: "Baiatul cu pijamale in dungi").	"Baiatul cu pijamale in dungi"	The search keyword is successfully inserted.	
○	3	Click on the search button (magnifying glass icon).		The application processes the search request and redirects the user to the search results page.	

The corresponding bug

Add epic   /   PC-1

[Homepage Cărturești] : The button for search (magnifying glass icon) does not initiate a search

+ Add

To Do   Actions   Improve issue

Description

Preconditions: The user is on the Cărturești homepage on web browser Google Chrome.

Steps to reproduce:

1. Locate the search bar on the homepage.
2. Enter the search keyword into the search bar
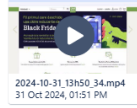3. Click on the search button (magnifying glass icon)

Actual results: The search button (magnifying glass icon) does not initiate a search.

Expected results: The application processes the search request and redirects the user to the search results page.

Severity   Normal

Details

Assignee   Unassigned
                  Assign to me

Labels   None

Parent   None

Team   None

Development

Reporter   CL Cristiana Livadariu

Created 2 days ago   Configure
Updated 2 days ago

Attachments 1

2024-10-31_13h50_34.mp4
31 Oct 2024, 01:51 PM

CL   Add a comment...

Pro tip: press **M** to comment

Other Test Cases

SMC repository 25 cases (25) | 9 suites (9)

☰ Views ▾

[+ Suite] [+ Case] [Search] **Add filter**

☰ **Suites** ⌃ ⌄

▶ **Smoke Testing - Carturesti** 18 ⋯

▾ Negative testing 4 ⋯

▾ UI Testing 2 ⋯

▾ Usability testing 1 ⋯

Smoke Testing - Carturesti

Negative testing + ✎ ⧉ 🗑

— ✋ SMC-4 New User Registration with an already registered email

— ✋ SMC-6 Verify if user login fails with invalid account information

— ✋ SMC-11 Verify if search functionality handles a non-existent product search

— ✋ SMC-28 Verify if user cannot finalize order without complete delivery information

\+ Create quick test

UI Testing + ✎ ⧉ 🗑

— ✋ SMC-29 Verify that all required fields are present in the new user registration section

— ✋ SMC-17 Verify if user can modify the quantity of a product in the cart pop-up and update the total amount

\+ Create quick test

Usability testing + ✎ ⧉ 🗑

— ✋ SMC-10 Verify if search functionality works for a specific book title using the "enter" key

\+ Create quick test

Other bugs

SMC-17

Verify if user can modify the quantity of a product in the cart pop-up and update the total amount

✎ Edit ⧉ Clone 🗑 Delete ⚙ AI Test Case

General   Run history   Change history   Defects   Comments

Description
Not set

Pre-conditions
- The user has added the product to the cart.
- The product is marked as "In Stoc."

Post-conditions
Not set

Steps   Shown as table 🔵

		Action	Data	Expected result	Attachments
○	1	Open the cart pop-up by clicking the cart icon.		The cart pop-up appears, showing the product, its price , and its current quantity.	
○	2	Locate the quantity field for the product.		The quantity field for the product is visible.	
○	3	Change the quantity from 1 to 3.		The quantity is updated to 3.	

✎ Add epic / ▶ PC-2

[Pop-up window cart]: The quantity field for the product is not editable in the pop-up window cart

➕ Add

Description
Preconditions: -The user is on the Cartureşti homepage on web browser Google Chrome.
- The user has added the book "Băiatul cu pijamale în dungi" to the cart.

-The product is marked as "In Stoc."

Steps to reproduce:
1. Open the cart pop-up by clicking the cart icon.
2. Locate the quantity field for the book "Băiatul cu pijamale în dungi."
3. Change the quantity from 1 to 3.

Actual results: The quantity field for the product is visible but is not editable in the pop-up window cart..

Expected Result: The quantity is updated to 3.

Severity   Normal

SMC-29

Verify that all required fields are present in the new user registration section

✎ Edit ⧉ Clone 🗑 Delete ⚙ AI Test Case

General   Run history   Change history   Defects   Comments

Description
Not set

Pre-conditions
Not set

Post-conditions
Not set

Steps   Shown as table 🔵

		Action	Data	Expected result	Attachments
○	1	Open a browser and navigate to https://carturesti.ro/ .		The browser opens and the webpage successfully loads.	
○	2	Click on the "Login" button in the upper right corner.		A pop-up window for login and registration appears.	
○	3	Click on "UTILIZATOR NOU".		The pop-up expands, displaying the registration fields.	
○	4	Check for the presence of the following input fields: -Email field -Password field -Confirm Password field ("Re-enter Password" or "Confirm Password")		All three fields should be visible: Email, Password, and Confirm Password.	

✎ Add epic / ▶ PC-3

[Pop-up window registration]: Missing "Confirm Password" field in the registration form

➕ Add

Description
Steps to reproduce:
1. Open a browser and navigate to 📗 Cartureşti.ro .
2. Click on the "Login" button in the upper right corner.
3. Click on "UTILIZATOR NOU".
4. Check for the presence of the following input fields:

-Email field

-Password field

-Confirm Password field ("Re-enter Password" or "Confirm Password")

Actual results: The "Confirm Password" field is missing.

Expected Result : All three fields should be visible: Email, Password, and Confirm Password.

Severity   Major

Conclusion

◈ The smoke testing has confirmed that the fundamental functionalities of the Cărturești application are functioning effectively, providing a stable foundation for user interactions.

◈ The tests covered critical functionalities of the application, including site navigation, product search, shopping cart management, and the registration process.

◈ Following the testing of the Cărturești application, three main bugs were identified and documented, with varying severities (1 major bug and 2 normal bugs) that could impact user experience. The identified defects were as follows:

• Lack of Basic Functionality in the Search Button (on the homepage), preventing the initiation of a search.

• Non-Editable Quantity Field in the shopping cart pop-up window, affecting the user's purchasing experience.

• Absence of a "Confirm Password" Field in the registration form, which could compromise the security of user accounts.

Thank You!

✦ Questions?