

Successful registration: valid data (min boundary)

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Check that user can register with login = 3 characters and password = 8 characters

Preconditions

User is on Registration page (<https://example.com/register>). The system is available, user is not logged in.

Steps to reproduce

#	Step	Action	Expected Result
1	Enter login = "usr1" (3 characters: letters+digits)		
2	Enter password = "Pass1234" (8 characters: letters+digit)		
3	Click "Register" button		Account is successfully created, user is redirected to homepage

Successful registration: login at max boundary (15 characters)

Priority	Severity	Behavior	Type
Medium	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Check that user can successfully register when login = 15 characters (max boundary), password is valid

Preconditions

Steps to reproduce

#	Step	Action	Expected Result
1	Enter login = "validusername15" (15 characters)		
2	Enter password = "Abcd1234" (valid password with letters and digits)		
3	Click "Register" button		Account is successfully created, user is redirected to homepage

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Error registration: login too short (<3 characters)

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Check that system shows an error when user tries to register with login shorter than 3 characters

Preconditions

User is on Registration page (https://example.com/register). The system is available, user is not logged in

Steps to reproduce

#	Step	Action	Expected Result
1	Enter login = "us" (2 characters)		
2	Enter password = "Pass1234" (valid password)		
3	Click "Register" button		Error message is displayed: "Login must be between 3 and 15 characters". Account is not created

Error registration: login too long (>15 characters)

Priority	Severity	Behavior	Type
Medium	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Check that system shows an error when user tries to register with login longer than 15 characters

Preconditions

User is on Registration page (<https://example.com/register>). The system is available, user is not logged in

Steps to reproduce

#	Step	Action	Expected Result
1	Enter login = "thisusernameistoolong" (16 characters)		
2	Enter password = "Pass1234" (valid password)		
3	Click "Register" button		Error message is displayed: "Login must be between 3 and 15 characters". Account is not created

Error registration: login with forbidden symbols

Priority	Severity	Behavior	Type
Medium	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Check that system shows an error when user tries to register with login containing forbidden symbols (e.g., @, !, %)

Preconditions

Steps to reproduce

#	Step	Action	Expected Result
1	Enter login = "user@!"		
2	Enter password = "Pass1234" (valid password)		
3	Click "Register" button		Validation error is shown: "Only latin letters, digits and underscore (.) are allowed". Account is not created

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Error registration: empty login field

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Check that system shows an error when user tries to register with an empty login field

Preconditions

User is on Registration page (https://example.com/register). The system is available, user is not logged in

Steps to reproduce

#	Step	Action	Expected Result
1	Leave login field empty		
2	Enter password = "Pass1234" (valid password)		
3	Click "Register" button		Error message is displayed: "Login field cannot be empty". Account is not created

Error registration: password without digit

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Check that system shows an error when password does not contain any digits

Preconditions

User is on Registration page (<https://example.com/register>). The system is available, user is not logged in

Steps to reproduce

#	Step	Action	Expected Result
1	Enter login = "user_123" (valid login)		
2	Enter password = "Password" (letters only, no digits)		
3	Click "Register" button		Validation error is shown: "Password must contain at least one digit". Account is not created.

Error registration: login with Cyrillic characters

Priority	Severity	Behavior	Type
Medium	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Check that system shows an error when user tries to register with login containing Cyrillic letters

Preconditions

Steps to reproduce

#	Step	Action	Expected Result
1	Enter login = "юзep123" (Cyrillic characters)		
2	Enter password = "Pass1234" (valid password)		
3	Click "Register" button		Validation error is shown: "Only latin letters, digits and underscore (.) are allowed". Account is not created

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Error registration: password without letter

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Check that system shows an error when password does not contain any latin letters

Preconditions

User is on Registration page (https://example.com/register). The system is available, user is not logged in

Steps to reproduce

#	Step	Action	Expected Result
1	Enter login = "user_123" (valid login)		
2	Enter password = "12345678" (digits only, no letters)		
3	Click "Register" button		Validation error is shown: "Password must contain at least one latin letter". Account is not created

Successful login and access to protected page

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Check that user can login successfully with valid data, and that protected pages cannot be accessed without authorization

Preconditions

User is on Login page (https://example.com/login). The system is available. Test user exists: login=usr1, password=Pass1234

Steps to reproduce

#	Step	Action	Expected Result
1	Enter login = "usr1"		
2	Enter password = "Pass1234" (valid password)		
3	Click "Login" button		User is successfully logged in: homepage is displayed and "Logout" button is visible
4	Without logging in (use a new incognito window / new browser session), try to open protected page: https://example.com/cart		Access is denied: system shows "Authorization required" and redirects to the Login page

View product list

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Check that the product list page displays correctly and each product card contains all required information

Preconditions

- User is on the Catalog page: <https://example.com/catalog>
- The system is available, catalog contains products

Steps to reproduce

#	Step	Action	Expected Result
1	Open the Catalog page		
2	Open the Catalog page		<ul style="list-style-type: none">• Each product card is displayed• Card contains: product image, title, short description, price• If applicable: manufacturer and shipping info

G101-176 / Testing Documetation - Alena Kaskevich / Testing Documentation – Iana Nikhileeva / Product Catalog

Pagination: next page (6 products per page)

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Verify that the user can navigate to the next catalog page and that each page displays no more than 6 products

Preconditions

- User is on the Catalog page: <https://example.com/catalog>
- Catalog contains more than one page of products (>6 total)
- User is currently on **page 1**

Steps to reproduce

#	Step	Action	Expected Result
1	Scroll to the bottom of the product list		
2	Click "Next" (or page number 2) in pagination controls		<ul style="list-style-type: none">• Page 2 is loaded (URL or active page indicator changes).• Exactly 6 products are displayed (if fewer products remain, all remaining ones are shown).• Products are different from those on page 1.• "Previous" button becomes available.• Active page indicator = 2

Pagination: previous page (6 products per page)

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Verify that the user can navigate back to the previous catalog page and that each page displays no more than 6 products

Preconditions

- User is on Catalog page: <https://example.com/catalog>
- Catalog contains more than one page of products (>6 total)
- User has already navigated to **page 2** of the catalog

Steps to reproduce

#	Step	Action	Expected Result
1	Scroll to the bottom of the product list		
2	Click “Previous” (or page number 1) in pagination controls		<ul style="list-style-type: none">• Page 1 is loaded (URL or active page indicator changes).• Exactly 6 products are displayed (or fewer if less than 6 in total).• Products differ from those shown on page 2.• “Next” button is available.• Active page indicator = 1

Add to cart with valid quantity

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Preconditions

- User is logged in (authorized).
- User is on the **Product details** page of any in-stock product: <https://example.com/product/<id>>

Steps to reproduce

#	Step	Action	Expected Result
1	Ensure quantity = 1 (default value)		
2	Ensure quantity = 1 (default value)		
3	Open the Cart		<ul style="list-style-type: none">• Success message is displayed: <i>"Product added to cart"</i>.• Cart icon counter increases by +1.• Cart contains the added product.• Quantity in Cart = 1.• Line total = unit price × 1; Cart total recalculated correctly

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Add to cart with invalid quantity (0 or negative)

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Verify that the system prevents adding a product to the cart when the quantity is 0 or less

Preconditions

- User is logged in.
- User is on the **Product details** page of any in-stock product

Steps to reproduce

#	Step	Action	Expected Result
1	Set product quantity = 0		
2	Click "Add to Cart" button		
3	Repeat with product quantity = -1		<ul style="list-style-type: none">• System shows validation error: <i>"Invalid quantity"</i>.• Product is not added to the cart.

#	Step	Action	Expected Result
			<ul style="list-style-type: none">• Cart counter and contents remain unchanged

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Add to cart without authorization

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Verify that an unauthorized user cannot add products to the cart

Preconditions

- User is **not logged in**.
- User is on the **Product details** page of any in-stock product

Steps to reproduce

#	Step	Action	Expected Result
1	Click "Add to Cart" button		<ul style="list-style-type: none">• System shows a message: <i>"Please log in to add products to your cart"</i>.• Product is not added to the cart.• User is prompted to log in or redirected to the login page

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Sorting: name A → Z

Priority	Severity	Behavior	Type
Medium	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Verify that products are sorted alphabetically by name in ascending order (A→Z)

Preconditions

User is on Catalog page with at least 6+ products having different names

Steps to reproduce

#	Step	Action	Expected Result
1	Open the sorting dropdown		
2	Select "Name: A → Z"		<ul style="list-style-type: none">Product list refreshes.Products are displayed in alphabetical order A→Z (case-insensitive, ignore spaces).Active sorting option displays "Name: A → Z"

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Sorting: price Low → High

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Verify that products are sorted by price in ascending order

Preconditions

- User is on Catalog page: <https://example.com/catalog>
- Catalog contains products with different prices

Steps to reproduce

#	Step	Action	Expected Result
1	Open the sorting dropdown		
2	Select "Price: Low → High"		<ul style="list-style-type: none">Product list refreshes.Products are sorted strictly by price from lowest to highest (ties allowed).Active sorting option displays "Price: Low → High"

Filtering: by category + manufacturer + free shipping

Priority	Severity	Behavior	Type
High	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Verify that product list is correctly filtered when multiple criteria are applied together

Preconditions

- User is on Catalog page: <https://example.com/catalog>
- Catalog contains products from multiple categories (Phones, Watches, etc.), multiple manufacturers (Apple, Samsung, etc.)
- Some products support free shipping

Steps to reproduce

#	Step	Action	Expected Result
1	Open Category filter and select <i>Phones</i>		
2	Open Manufacturer filter and select <i>Apple</i>		
3	Check the Free shipping option		
4	Check the Free shipping option		<ul style="list-style-type: none">• Product list refreshes.• Only products that belong to category <i>Phones</i>, manufacturer <i>Apple</i>, and support free shipping are displayed.• No other products are shown.• Active filters are visible in the UI (Phones + Apple + Free shipping)

Filtering: empty result — no products found

Priority	Severity	Behavior	Type
Medium	-	Not set	Other
Layer	Is Flaky	Is Muted	Automation
Not set	No	No	Manual
Status	Milestone		
Actual	-		

Description

Verify that the system shows a clear message when no products match the applied filters

Preconditions

- User is on Catalog page: <https://example.com/catalog>
- Catalog contains products, but none match the combination of filters

Steps to reproduce

#	Step	Action	Expected Result
1	Open Category filter and select a category with no available products (for example: <i>Tablets</i>)		
2	Apply additional filters if needed (e.g., Manufacturer = <i>Apple</i> , Free shipping)		
3	Click Apply filters		<ul style="list-style-type: none">• Product list area refreshes.• No products are displayed.• Message is shown: “No products found”.• User can reset filters or change criteria to continue searching