

UC-1	Register User
Goal	In order to buy a product on the website, a new user must register a customer profile in the system.
Actors	User — customer
Preconditions	The user added a product to the cart
Trigger	The user initiates a purchasing process
Flow of Events	User Registration
1	The system requests a username and password
2	The user enters a username and password
3	The system checks that the username does not duplicate any existing registered usernames.
4	The system requests a name, surname, phone number, and email address. All fields are obligate.
5	The user enters the information.
6	The system accepts the information.
7	The system displays the user a message asking the user to check the user's email box.
8	The system sends a confirmation email to the user's email address entered into the system.
9	The user receives the confirmation email at the email address entered into the system.
10	The user opens the confirmation email.
11	The confirmation email asks the user to follow the link to confirm the registration in the system.
12	The user follows the link to confirm the registration in the system.
13	The user confirmed the registration.
14	The system starts a login session and displays a welcome message based on the user's information.
Alternative Flow of Events	3a. The username duplicates an existing username.
1	The system displays an error message
2	The use case goes back to step 1.

Alternative Flow of Events	5a. The user does not fill in all fields.
1	The system marks empty fields in red.
2	The use case goes to step 5.
Alternative Flow of Events	9a. The user doesn't receive the confirmation email at the email address entered into the system.
1	In 90 seconds after sending the confirmation email to the user's email address entered into the system, the system displays a message prompting the user to confirm sending another email.
2	The user case goes back to step 7.
Alternative Flow of Events	14a. The system failed to start a login session.
1	The system displays a message with an error asking the user to click the confirmation link again.
2	The use case goes back to step 12.
Post-conditions	The user can now continue the purchasing process in the system.

UC-2	Log-in User
Goal	In order to buy a product on the website, a registered user must log in to the system.
Actors	User — customer
Preconditions	The user added a product to the cart.
Trigger	The user initiates a purchasing process
Flow of Events	User log-in
1	The system requests an email and password
2	The user enters an email and password
3	The system identifies the email.
4	The system validates the password.
5	The system authorizes the user.
6	The system starts a login session and displays a welcome message based on the user's information.
Alternative Flow of Events	3a. The system doesn't identify the user's email.

1	The system displays a message to check the correctness of the email address and to reenter it.
2	The system marks the field in red.
3	The use case goes back to step 2.
Alternative Flow of Events	4a. The system doesn't validate the user's password.
1	The system displays a message to check the correctness of the password and to reenter the password.
2	The system marks the field in red.
3	The use case goes back to step 2.
Alternative Flow of Events	6a. The system failed to start a login session.
1	The system displays a message with an error asking the user to enter the email and password again.
2	The use case goes back to step 1
Post-conditions	The user can now continue the purchasing process in the system.

UC-3	User's product search using the catalog menu
Goal	In order to find a desired product, the user must search for it in the system.
Actors	User — customer
Preconditions	none
Trigger	The user visits the website
Flow of Events	Search for a product using the catalog menu
1	On the start page, the system displays a catalog menu, a search field, personalized recommendations, and discount products.
2	The user clicks on the catalog menu button.
3	The system displays the catalog menu. The catalog menu contains categories of products.
4	The user clicks on a selected category in the catalog menu.
5	The system displays subcategories of the selected category.
6	The user clicks on a subcategory of the selected category.

7	The system displays names and images of products, their short descriptions, and product sorting filters.
8	The user clicks on a product name or image.
9	The system displays a product page with information about the product and a button “buy”.
10	The user clicks the button “buy”.
11	The system adds the product to the cart
Alternative Flow of Events	None
Post-conditions	The user can now continue to search for a desired product (UC-3 or UC-4) or to start UC-1 or UC-2.

UC-4	User's product search using the search field
Goal	In order to find a desired product, the user must search for it in the system.
Actors	User — customer
Preconditions	none
Trigger	The user visits the website
Flow of Events	Search for a product using the search field
1	The system displays a catalog menu, a search field, personalized recommendations, and discount products.
2	The user clicks on the search field.
3	The system activates the search field.
4	The user enters the name of the desired product in the search field.
5	The user clicks the button “Search”.
6	The system finds relevant names of the user's search request in the product database and displays their names and images of products, their short descriptions, and product sorting filters.
7	The user clicks on a product name or image.
8	The system displays information about the product and a button “buy”.
9	The user clicks the button “buy”.

10	The system adds the product to the cart
Alternative Flow of Events	6a. The system didn't find relevant names of the user's search request in the product database.
1	The system displays a message, that it didn't find the relevant products.
2	The use case goes back to step 4.
Post-conditions	The user can now continue to search for a desired product (UC-3 or UC-4) or to start UC-1 or UC-2.