

Task 19 - Designing a test idea for exploratory testing.

Report creation date: 15.01.2023

Name of the tested application: <https://www.coingecko.com>

Author: Paweł Kurzydło

The application I have chosen for this task is a real-time cryptocurrency market tracking portal. I believe that this is a good application to test, as I have never used a similar application from a tester's perspective.

First and foremost, I paid attention to the registration and login options of the application. The most optimal method in this regard would be to create a user account, conduct quick tests of the forms, and log in using Google or Apple.

The next aspects are the selection of currencies and language. Here we have a wide range of choices, so I decide to quickly explore the application using English or German language, euro and dollar currencies, and Ethereum and Bitcoin cryptocurrencies.

The next function of the application worth testing is, of course, the search engine. I verify its functionality by entering the names of the most popular exchanges, currencies, and cryptocurrencies.

Then I move on to reviewing the navigation menu and check if all the buttons work correctly and redirect to the appropriate pages.

The next elements to test will certainly be sorting and displaying currencies, cryptocurrency categories, and exchanges. To do this, I check the sorting function in individual categories.

Another thing to test is the comparator and calculator. I test the functionality of the comparator using Bitcoin and Ethereum, and similarly to the comparator, I enter random values into the calculator.

The last aspect will be verifying the display of information about specific cryptocurrencies, such as historical data, charts, markets, etc. by selecting Bitcoin and Ethereum.

To organize, simplify, and define the testing ideas and time allocated for testing for each area, I decided to construct a table.

Tested areas	Test idea	Time spent on testing
Registration	Testing registration capabilities	5 min.
Logging in	Login testing	10 min.
Language selection	Language selection testing	5 min.
Currency selection	Testing value filtering for a specific currency	15 min.
Search engine	Search validation testing	5 min.
Navigation menu	Testing the correct operation of the buttons	10 min.
Sorting	Testing the sorting of each category	20 min.
Comparison	Verification of currency comparison functionality	5 min.
Converter	Verification of the operation of the currency converter	5 min.
Currencies	Testing the section dedicated to a specific currency, including displaying the necessary information and links	20 min.