

# Application test report 1

## A. Description of activities performed.

### The environments and equipment on which the tests took place:

- 1.Desktop computer.
- 2.Laptop
- 3.Tablet.
- 3.Mobile phone.
4. Google Chrome
5. Visual Studio Code

### Tester login:

DorianWlodarczyk

### Build number: 1 as of 12.01.2023

### Application areas and types of tests performed:

Application area	Types of tests performed	Time spent on testing
User interface	functional, acceptance tests	2h
Statistical analyses	functional, performance, unit tests	1h
Downloading data from the NBP	Boundary value tests, validation tests	1h
The entire application	functional, acceptance, performance tests	2h

## B. Summary of all defects.

### 1) Corrected and retested (regarding Defects detected in previous report)

- a) Data on the histogram of changes in currency pairs.
- b) Histogram axes.
- c) Histogram title.
- d) Current currency exchange rate.
- e) Selecting a currency not supported by api.

- f) Incorrect currency data provided by the user.
- g) Entering a country instead of a currency
- h) Axes of the currency analysis chart
- i) Number of currency change sessions
- j) Selection of the starting date in the distribution of changes in currency pairs

## 2) To do

## 3) One that is risky to correct at a time

### C. Detailed description of defects.

**Test 1 :** Data on the histogram of changes in currency pairs.

**Who detected:** DorianWłodarczyk

**The report, which detected:** Current

**Priority :** Large

**Repeatability:** Each time a histogram of changes in currency pairs is created.

**Browser:** Google Chrome

**Location:** Application > Rozkład zmian par walutowych

**Steps to repeat:**

1. Launch application.
2. Go to the application address: `[(http://localhost:3000/ZPI2022_zaozni_Semafor)]`
3. Select "Rozkład zmian par walutowych".
4. Select 2 currencies e.g. [EUR/GBP.]
5. Click "szukaj" located to the right of the currency.

**Test result:** The data in the chart have no unit. They should be presented as percentages with up to 2 decimal places.

**Test 2 :** Histogram axes.

**Who detected:** DorianWłodarczyk

**The report, which detected:** Current

**Priority :** Large

**Repeatability:** Each time a histogram of changes in currency pairs is created.

**Browser:** Google Chrome

**Location:** Application > Rozkład zmian par walutowych

**Steps to repeat:**

1. Launch application.
2. Go to the application address: `[(http://localhost:3000/ZPI2022_zioczni_Semafor)]`
3. Select "Rozkład zmian par walutowych".
4. Select 2 currencies e.g. [EUR/GBP.]
5. Click "szukaj" located to the right of the currency.

**Test result:** Histogram axes do not have units, in addition, each vertical bar of the graph should have a range of its own interval on the horizontal axis.

### **Test 3 : Histogram title.**

**Who detected:** DorianWłodarczyk

**The report, which detected:** Current

**Priority :** Large

**Repeatability:** Each time a histogram of changes in currency pairs is created.

**Browser:** Google Chrome

**Location:** Application > Rozkład zmian par walutowych

**Steps to repeat:**

1. Launch application.
2. Go to the application address: `[(http://localhost:3000/ZPI2022_zioczni_Semafor)]`
3. Select "Rozkład zmian par walutowych".
4. Select 2 currencies e.g. [EUR/GBP.]
5. Click "szukaj" located to the right of the currency.

**Test result:** After creating the histogram , the histogram should be signed with the currencies that are compared to each other.

### **Test 4 : Current currency exchange rate.**

**Who detected:** DorianWlodarczyk

**The report, which detected:** Current

**Priority :** Tiny

**Repeatability:** Every time it is we go to the address of the application.

**Browser:** Google Chrome

**Location:** Application > Analiza waluty

**Steps to repeat:**

1. Launch application.
2. Go to the application address: [](http://localhost:3000/ZPI2022\_zaczn\_Semafor)
3. Select "Analiza waluty".
- 4 Select currency e.g [EUR]
- 5.Click "szukaj" located to the right of the currency.

**Test result:** Displaying the current currency rate is not included in the system requirements.

## **Test 5 : Selecting a currency not supported by api.**

**Who detected:** DorianWlodarczyk

**The report, which detected:** Current

**Priority :** Large

**Repeatability:** Every time we choose the incorrect currency.

**Browser:** Google Chrome

**Location:** Application > Analiza waluty or Rozkład zmian par walutowych

**Steps to repeat:**

1. Launch application.
2. Go to the application address: [](http://localhost:3000/ZPI2022\_zaczn\_Semafor)
- 3.Select "Analiza waluty" or "Rozkład zmian par walutowych".
- 4 Select currency e.g. [EUR]
- 5.Click "szukaj" located to the right of the currency.

**Test result:** The user should be able to choose only currencies supported by the api.

List of supported currencies:

EUR,AUD,NOK,BRL,USD,BGN,CAD,CLP,CNY,HKD,NZD,CZK,DKK,GBP,HUF,ISK,INR,IDR,ILS,JPY,KRW,CHF,MYR,MXN,PHP,RON,SGD,ZAR,SEK,THB,TRY,UAH

## **Test 6 : Incorrect currency data provided by the user**

**Who detected:** DorianWlodarczyk

**The report, which detected:** Current

**Priority :** Large

**Repeatability:** Each time one of the currencies is incorrect.

**Browser:** Google Chrome

**Location:** Application > Analiza waluty or Rozkład zmian par walutowych

**Steps to repeat:**

1. Launch application.
2. Go to the application address: `[(http://localhost:3000/ZPI2022_zioczni_Semafor)]`
3. Select "Analiza waluty" or "Rozkład zmian par walutowych".
- 4 Select currency e.g. [EUR]
5. Click "szukaj" located to the right of the currency.

**Test result:** The user should receive information that the data they entered is incorrect. Instead, the application crashes or is unresponsive.

## **Test 7: Entering a country instead of a currency**

**Who detected:** DorianWlodarczyk

**The report, which detected:** Current

**Priority :** Tiny

**Repeatability:** Each time a country operating on that currency is entered instead of the currency.

**Browser:** Google Chrome

**Location:** Application > Analiza waluty or Rozkład zmian par walutowych

**Steps to repeat:**

1. Launch application.
2. Go to the application address: `[(http://localhost:3000/ZPI2022_zioczni_Semafor)]`

3. Select "Analiza waluty" or "Rozkład zmian par walutowych".

4. Select a country.

5. Click "szukaj" " located to the right of the currency.

**Test result:** This search method is not included in the requirements but does not adversely affect the performance of the application.

## **Test 8:** Axes of the currency analysis chart

**Who detected:** DorianWlodarczyk

**The report, which detected:** Current

**Priority :** Low

**Repeatability :** Every time a currency change analysis chart is created.

**Browser :** Google Chrome

**Location :** Application > Analiza waluty

**Steps to repeat:**

1. Launch the application.

2. Go to the application address: [\[\]\(http://localhost:3000/ZPI2022\\_zaozni\\_Semafor\)](http://localhost:3000/ZPI2022_zaozni_Semafor)

3. Select "Currency Analysis."

4. Select the currency e.g. GBP.

5. Select a time range e.g. [1 week].

6. Click "search" located to the right of the currencies.

**Test result:** The horizontal axis does not need to be signed and the vertical axis should be signed "number of currency change sessions".

## **Test 9:** Number of currency change sessions.

**Who detected:** DorianWlodarczyk

**The report, which detected:** Current

**Priority :** High

**Repeatability :** Every time a currency analysis chart is created.

**Browser :** Google Chrome

**Location :** Application > Rozkład zmian par walutowych

**Steps to repeat:**

- 1.Launch the application.
- 2.Go to the application address: []([http://localhost:3000/ZPI2022\\_zaochni\\_Semafor](http://localhost:3000/ZPI2022_zaochni_Semafor))
- 3.Select "Currency analysis".
- 4.Select a time interval e.g. 1 week.
- 5.Select a currency e.g. EUR.
- 6.Click "search" located to the right of the currencies.

**Test result:** The chart created is not very realistic. The data should be compared with the previous day.

**Test 10:** Selection of the starting date in the distribution of changes in currency pairs.

**Who detected:** DorianWlodarczyk

**The report, which detected:** Current

**Priority :** Very high

**Repeatability :** Every time the application is launched.

**Browser :** Google Chrome

**Location :** Application > Rozkład zmian par walutowych

**Steps to repeat:**

- 1.Launch the application.
- 2.Go to the application address: []([http://localhost:3000/ZPI2022\\_zaochni\\_Semafor](http://localhost:3000/ZPI2022_zaochni_Semafor))

**Test result:** The system doesn't give you the option to select a time frame only always refers to the last month/quarter.

## D. Summary of completion criteria for all tests.

**1. Did we manage to complete the planned tests?**

Due to the low possibility of choice and influence on the input data, the number of tests was significantly reduced and fully implemented.

**2. Have there been any difficulties? Not necessarily defects, but they could also be environmental problems that delayed or shortened testing. We also report whether these problems have been resolved.**

During testing, small difficulties were encountered which were quickly corrected by the developers.

**3. Verification of working time estimates.**

The entire project was carried out according to the scheduled completion date.

**4. Risks that have materialized and can be removed from our test plan, and whether there has been anything new to add to the test plan.**

**5. Lessons for the future (remember to learn from mistakes is one of the most important activities in IT)**

Careful reading of requirements( one word can make a big difference).

Always report even the smallest comments to the software when we are not 100% sure that it is working properly.