

Acceptance Test Report

Project Information:

- Project Name: Orzeł - Currency Analysis Reports
- Report Date: 08.02.2025
- Tester Name: Piotr Owczarek

Scope of Testing:

Objective: Acceptance tests were conducted to validate the application against the functional and non-functional requirements provided. All test cases were executed to confirm compliance with the stated requirements.

Functional Requirements

Requirement Name	Description	Status (Pass/Fail)	Comments
Data Fetching from NBP API	Application fetches data from the NBP API, historical data can be no older than 02.01.2002	Pass	None
Statistical Analysis	Application calculates and displays: increasing, decreasing, and stable trends for selected currencies in the chosen period; median, dominant, standard deviation, coefficient of variation; histogram and linear chart for selected currency in the chosen period.	Pass	None
User Parameters	User can pick: period's end date; one of time periods(week, 2 weeks, month, 6 months, year); first currency(EUR, USD, DKK); optional second currency(EUR, USD, DKK)	Pass	None
Results Presentation	Report results are correctly displayed: Numbers for statistical analysis results; Histogram for frequency distributions; Linear chart for currency exchange rate.	Pass	None
Access to the System	Every user with a link to the main page can access it.	Pass	None
Error Handling	User is notified if: no data is available, there is wrong period range selected, no server connection.	Pass	None

Non-Functional Requirements

Requirement Name	Description	Status (Pass/Fail)	Comments
Browser Compatibility	Application is accessible on specified browsers	Pass	None
Performance	Calculation time ≤ 2 minutes	Pass	None

Key Observations:

Integration Success: The system integrated successfully with the NBP API and handled current and historical data accurately.

Statistical and Visual Outputs: All statistical calculations and visual data representations were accurate and user-friendly.

Performance Metrics: The system meets performance expectations.

Security Measures: User inputs were validated.

Conclusion:

Acceptance test passed successfully. Application is ready for deployment.