Acceptance testing scenario and test results

Scenario 1 : Determine number of sessions

Description: Determine the number of rising, falling and unchanged sessions for the periods of the last 1 week, 2 weeks, 1 month, 1 quarter, half a year and 1 year for the currency selected by the user using the program option

Result : Positive

Priority : High

Scenario 2 : Determine statistical measure

Description: Determine median, dominant, standard deviation or coefficient of variation for the last 1 week, 2 weeks, 1 month, 1 quarter,
half a year and 1 year for the currency selected by the user using the program option

Result : Positive

Priority : High

Scenario 3 : Determine distribution of monthly and quarterly changes

Description: Determine distribution of monthly or quarterly changes in any user-selected currency pairs, e.g. EUR/USD as a histogram of the frequency of occurrence of value changes in a given range as text. The analysis consists in calculating on successive days of the session the changes in relation to previous sessions and summing them up within the counted period.

Result: Positive

Priority: High

Scenario 4 : Graphical User Interface (GUI) Integration

Description : Develop a graphical user interface (GUI) to facilitate user interaction with the program. The GUI should include intuitive controls for selecting currency types, selecting starting date, and displaying results in a clear and organized manner

Result : Negative (Positive after fix)

Who detected : Mateusz Walkiewicz

Priority : High

Issue encountered : Functions in api.py should throw an exception when fetching new data form nbp api is not possible eg. no internet connection, nbp api not available.

Steps to change:
Make get_changes_distribution() raise an requests.RequestException when there is not internet connection