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MacStock Analyst

28th October 2024

1. OVERVIEW

The project "MacStock Analyst" promises to provide users with detailed analytics regarding the Macedonian Stock Exchange Market history. The data available to the users will come directly from the official MSE website. The users will have access to data ranging between 2024 back to 2014 for all available issuers (companies or financial institutions). The software will be built using Python 3.1x.

2. FUNCTIONAL REQUIREMENTS

[FR1] This application shall provide users with processed data covering at least the last 10 years on a daily basis.

[FR2] This application will be able to automatically retrieve all issuers listed on the MSE website.

[**FR3**] This application will have a timer to measure how long it takes to fully populate an empty database with the stock data.

[**FR4**] The application will store the complete and up-to-date stock data in the database.

[FR5] The applications GUI will include a console that will serve as a way to interact with the app.

3. NON-FUNCTIONAL REQUIREMENTS

3.1 OPTIMIZATION REQUIREMENTS

[OR1] This app will be optimized for maximum speed and efficiency.

[OR2] This app will take no more than 49 MB for storage.

4. CONTEXTUAL REQUIREMENTS

4.1 SCHEDULE REQUIREMENTS

[SR1] This app will be finished before 10th November 2024.