Macedonian Stock Exchange Analysis

Objective:

- This project aims to develop a database-driven web application that automates the retrieval, transformation, and storage of stock data for companies listed on the Macedonian Stock Exchange. The application will collect data, process, and filter the data, fill in missing entries, and maintain an up-to-date database covering the past 10 years.

Scope:

 - The application will retrieve all the data for the issuers automatically, filter the data as well as fill in missing data if needed, process, format and store the data in the database.

Architecture:

- In the project we use the Pipe and Filter architecture, where data processing is divided into sequential, independent filters connected in a pipeline. Each filter performs a specific transformation or processing task, feeding its output to the next stage.