**Software Requirements Specification (SRS)**

**Анализа на Македонската берза**

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# Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Date | Reason For Changes | Version |
|  | 11/8/2024 |  | Initial version |
|  |  |  |  |
|  |  |  |  |

# 2. Introduction

## 2.1 Document Purpose

**This Software Requirements Specification (SRS) defines the software requirements for the analysis system of historical stock data for the Macedonian stock market. The document will guide the design, development, and testing processes, ensuring a clear communication of expectations between all stakeholders.**

**The product is a web application for downloading, processing, and analyzing historical data from the Macedonian Stock Exchange. It will allow users to retrieve and process data for trend analysis with new informations which are atleast 10 years new, this product will have significance in decision-making.**

## 2.2 References

* **IEEE 830 standard for Software Requirements Specification (SRS).**

## 2.3 Document Overview

**This document provides a detailed description of the system’s functions, performance, constraints, and other essential requirements for the project, ensuring the software meets stakeholder needs.**

# 3. Product Overview

## 3.1 Product Perspective

**The system will automatically retrieve and process historical stock market data from the Macedonian Stock Exchange (MSE) website. The data will be made available to users for analysis and will be stored for further use.**

## 3.2 Product Functions

**The system will:**

* **Automatically download historical stock data.**
* **Filter and transform the data into a usable format.**
* **Store the data in a database.**
* **Generate reports and visual representations of stock trends.**

## 3.3 Main Use Cases

* **Data Retrieval: The system will automatically download data from the MSE website.**
* **Data Processing: The system will filter the data to retain only relevant information (e.g., stocks, dates, issuers).**
* **Analysis: Users will generate graphical reports based on the processed data.**

## 3.4 Domain Model

**Entities involved in the domain model include:**

* **Issuer**
* **Stock**
* **Date**
* **Stock Price**

**These entities are interrelated and will be used for data analysis.**