

**22/SP-COP-2805C-61163 Java Advanced**

**Assignment 9.2**

Document Version: 0.3

Version Date: 04/11/2022

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# Document Version Control

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| --- | --- | --- | --- |
| Version | Date | Author | Rationale |
| 0.3 | 2022 APR 11 | Tristan Rogers | Third Draft |

# Document Purpose

The purpose of this document is to outline the specifications behind the Stock application, as well as provide the necessary input information to achieve accurate results.

# Technical Specifications

## Purpose of Technical Implementation

The application takes user submitted data and displays the data with the percentage of change of the current price compared to the previous closing price.

## Technical Implementation Components

* The program contains one main Stock class, which is responsible for creating a new stock using user inputs for the stock name and stock symbol. The user will also input the current and previous prices, and the getChange method will calculate the change percentage.

## Technical Implementation Pseudocode

Ask for use input for symbol, name, current price and previous price

Store symbol and name

Store current price and previous price

Calculate change percentage based on input prices

Display all results

## Stock Implementation

Stock.java contains four private data fields that prevents them from being accessed outside of the class, as well as a constructor for creating a new stock with each entry.

Both symbol and name have get and set methods, which gets the input from the user and sets the value respectively.

The prices only have set methods, as those data fields are controlled by user input.

The getChange method uses the user defined values set for previousClosingPrice and currentPrice to perform the calculation for the change percentage of both values.