**Project Plan: Commodities Market Screener**

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**1.Introduction**

**1.1 Abstract**

This document lays out a project plan for the development of the “**Commodities Market Screener**” open source repository system by Srikant Shubham and Arvind Bose for the fulfillment of the CIA 3 Mini Project for the paper JAVA PROGRAMMING.

The intended readers of this document are current and future developers working on “ **Commodities Market Screener**”. The plan will include, but is not restricted to, a summary of the system functionality, the scope of the project from the perspective of the **: “ Commodities Market Screener”** team, scheduling and delivery estimates, project risks, and how those risks will be mitigated, the process by which I will develop the project, and metrics and measurements that will be recorded throughout the project.

**1.2 Intended audience**

This project is a prototype for a simple market screener and its use is restricted for research purposes only and not be used for investment .

**2. Overview**

A commodity marketplace is a marketplace that trades withinside the number one monetary region as opposed to synthetic products, which includes cocoa, fruit and sugar. Hard commodities are mined, which includes gold and oil. Futures contracts are the oldest manner of making an investment in commodities Commodity markets can consist of bodily buying and selling and derivatives buying and selling the use of spot prices, forwards, futures, and alternatives on futures. Farmers have used a easy shape of spinoff buying and selling withinside the commodity marketplace for hundreds of years for fee danger management.

While commodity markets in famous and commodity derivatives market have existed in India for over 100 years, the valid change traded mechanism for commodities commenced as late as 2003. There were troubles of liquidity and troubles of more than one regulatory jurisdictions but at least there is a platform for forming a view and shopping for and promoting on commodities.

For lengthy the funding instructions for Indian traders were restricted to the conventional gold, actual estate, bonds, FDs and equities. While traders have not directly participated in commodities thru the fairness marketplace mechanism, they nonetheless do now no longer without delay take part in commodities as an asset class. The commodity trade gives an possibility to small and medium sized traders to actively take part in a brand new asset class. In the process, they're additionally capable of diversify their awareness threat of the prevailing asset instructions. There is likewise a extensive preference for traders and traders. They can take part in agricultural merchandise or maybe in treasured metals like gold and silver.

Thus instead of investing directly into the equities market looking for quick returns a better analysis using our “**Commodities Market Screener**” to invest in commodities can provide much greater profits.

**2.1 Customers**

“**Commodities Market Screener**” is made using data obtained for the Indian markets therefore any customer willing to trade in the commodities market in India can use this site.

**2.2 Functionality**

* Users need to register to use this program.
* People can use the graph presented to estimate or predict whether the price will increase or decrease.

**3. Overall Description**

3.1 Product Perspective

Data extracted from the<https://www.marketscreener.com/analysis/commodity-research/> and using the data obtained to present in javafx program.

Data fetched are as follows:

· Open:

The opening value of the commodity in international market.

· Close

The closing value of the commodity in international market.

· High

The highest value of the commodity in the day in the international market.

· Low

The lowest value of the commodity in the day in the international market.

· Volume

Total volume traded in the market.

· Date

The data at which the trade took place.

**3.2 Product Features**

**3.2.1 ER table**

The major features of “Commodities Market Screener” system as shown in below **entity-relationship model.**

**3.2.2 Platform**

The project is based on the javafx program and is made using the Screen builder and made on the IDEA (IDE).

**3.2.3 Operating Environment**

Operating environment for the “Commodities Market Screener” is as listed below.

* Operating system: Windows.
* database: excel
* platform: Java/javafx
* sdk: javasdk 11

**3.2.4 Design and Implementation Constraints**

· Version control and intergration of different IDE and sdks of java

· Scrapping constraints insufficient / incomplete data

**4.Github**

The link is https://github.com/SrikantShubam/javafx\_minproject