**Apt 3065 B: MID TERM PROJECT**

**Professor: Chrispus Alukwe**

**Concept Paper:**

**Currency Trader Performance Analysis system**

**By**

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**Currency Trader Performance Analysis system**

**Problem Statement**

The problem is that retail forex traders lack a performance analysis system that journals their trading history and has metrics in place to systematically track their progress across time to measure growth, returns assessment, risk analysis and trading strategies evaluation so as to have a portfolio that showcase their strategies and trading experience graphically to potential investors to seek for capital and funding

**Background Statement and Justifications**

In the financial markets there is the 90-90 rule, meaning 90% of retail traders lose 90% of their capital in the first 90 days. This is mainly because they lack the knowhow and tools to back-test their trading strategy meaning they cannot go back in time and review the positions they took and gain insight from their losses (performance analysis) to correct their mistakes and gradually gain experience over time. The available systems are very expensive and owned by private financial institutions. Unlike institutional traders, retail traders are therefore unable to get funding based off their returns on investments (performance) and experience when their strategies are efficient.

**Justifications** – The application will be useful for traders, investors and financial institutions because:

* Available are very expensive and are owned by big private financial institutions and brokerage firms therefore they monopolize the systems
* Will be used as a tool embedded with financial analytics and metrics to gauge performance, progress and return on investments
* Serves as the traders portfolio of traded financial instruments and experience when pitching to potential investors or employers
* Will be used as a modern graphical interface based journal that makes it easy for anyone to interpret the financial information and make their conclusions
* Successful retail traders either use physical journals or excel spread sheets to keep record of their strategies and trading history however, it is not a professional way to present before a panel of investors

**Languages and metrics of approach**

I will use **JavaScript** as the main language accompanied with **HTML**, **CSS** and other financial sector related APIs like tradingview and yahoo finance. The APIs will give real time financial charts and prices within the application to deliver an application where user has to log in, feeds a spreadsheet from their broker, the application analyzes the financial information and provides insight in a graphical user interface. Finally, the application stores the data and insights as a portfolio in a server