GIBRAN RUBINGER

Guided Technology Project 2020 | cct -dUBLIN COLLEGE

STOCK WALLET

CLOUD-BASED WEB APPLICATION

**Overview**

My idea is built a cloud base web application for home broke stock management. This application will help everyone interested in the stock market. With this application user can built your custom dashboard to better understating what is going on in your investments. This system will allow any people with very basics knowledge on the stock market to built a portfolio in a runtime platform that allows users to register a login and use this application in many devices. The system will respond to produce custom storage, built useful calculations and projections, catalogue with date and price for which bought stock, quantity and so on.

**Target**

My target user would be non a professional trader but everyone seeking for easy application who can customise a cleaning platform. This idea becomes from my personal experience thought some existing applications (the majority mobile non-cloud-based web application) that prints so many information on the screen that it’s become a mess for nom professionals. Even if you have some previous experience, at the end of the day the investor is looking for answers. To have quickly understand the portfolio is the golden ratio. Before you decide to invest in some company the picky analyses thought balances year and decades projections, reading all complex analyses and so on, should be taken before to buy. to have that kind information at the same platform for nom professional could increase extra complexity and miss some important facts. In nutshell the idea for this application is keep the core and make the vision clear for the further projections.

**Goals**

1. Build a cloud-based web application for management of home broke stocks
2. The app will be possible to create a custom stock wallet.
3. Construct the infrastructure for this app in the runtime layer with docker containers

**Specifications**

For this application to work properly I will use all the knowledge built during this course to develop the front-end and back-end and infrastructure necessary for this APP.

Tools and languages

Use of virtualization on VirtualBox to create Linux VM to run docker.

Use of Java + Spring Boot / Docker files.

Use of JavaScript/node/Json to make the post mapping and using the postman for documentation.

Use of HTML/CSS/Bootstrap for building the front-end application.

**Justifications**

1. Main reason

The stock market is something I am quite interested and the difficult to find easy tools to watch what is going on simply comes to my mind this idea. As the genius, Warren Buffett says *“The majority of business schools reward difficult complex behaviour more than simple behaviour, but simple behaviour is more effective.”*

I will build the infrastructure necessary for this application by separated microservices following the principle of Service-Oriented Architecture – S.O.A. If everything going right on this process it will be a great achievement for me as I am planning to work as a DevOps architect in the future. This project is great opportunity to starting to expose me into this environment. This achievement will help me a lot and I have the opportunity to use this application in my further portfolio.