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30432

Stock Exchange App
Vision

Version 1.0

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Project_Vision.docx	

Revision History

Date	Version	Description	Author
18/MAR/2019	1.0	Initial Project Statement	Horea-Şerban Popa

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Vision

1. Introduction

This application is created for those people willing to play the Stock Market. It allows the user to buy stocks from multiple markets so he is active in diverse markets and has a better chance to succeed. This document will describe the way to implement such application and make the developer have a clear view on how the stock market works and how it can be implemented in this application. For a more detailed look and interaction with such applications, the developer can access different apps that are based on the same principle.

1.1 Purpose

The purpose of the Stock Exchange App is to replace all the current applications that are not developed for beginners in this area. The principle is not hard to understand but, to succeed, the user has to know how the market works and how stocks can be bought. The best way to do this is to give the user notifications about the stocks that he is currently following and make suggestions if it's smart to keep playing on a stock or not. Having a friendly UI and a simple environment to work with, followed by different sections on how to play is very important. At the beginning let the user have a virtual portfolio on which he can play with virtual money. Let the stock market be the real one so he can see if the stocks rises or drops. This part is based on the demand and the offer. If people buy stocks from a company, the value will rise, otherwise it will drop.

1.2 Scope

The following features will be covered by the Stock Exchange App:

- User Authentication (Create Account + Login)
- Display open orders on market
- Ability to buy/sell (create new order)
- Switch market
- Create a balance sheet at demand (all bought/sold shares in a time interval)

1.3 Definitions, Acronyms, and Abbreviations

Stock	the capital raised by a company or corporation through the issue and subscription of shares
Stock Market	a stock exchange
Stock Exchange	the level of prices in a particular stock exchange

1.4 References

For further clarifications see the following resources:

- Project_UseCaseModel_SubmitRequest
- Project_UseCaseModel_SeeRanking
- Project_SupplementarySpecification

1.5 Overview

The upcoming section of the document will describe all the parties that are involved in a stock exchange process and design a vision of how different problems can be solved. The purpose is to implement a basic app which will make the user understand how the market works and how he can continue to make money.

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2. Positioning

2.1 Problem Statement

The problem of	Not knowing how to use this kind of app
affects	The users willing to enter the stock market game
the impact of which is	Users losing money because they don't know which stocks to buy and manage
a successful solution would be	To create a virtual portfolio with virtual money so the user can adapt to the application and have an idea on how different markets work.

2.2 Product Position Statement

For	Different users around the world who want to enter the Stock Market
Who	Need to know how the market works
The Stock Exchange App	is a Stock Trading System
That	Focuses on making the user to have a better understanding on the markets
Unlike	eTorro, Zerodha, Roboalerts, 5 Paisa Mobile App
Our product	<ul style="list-style-type: none"> Eliminates confusions on how the app works Makes the user know what market is best for him Overviews the markets Displays a balance sheet Provides an approach for the user's interest

3. Stakeholder and User Descriptions

3.1 Stakeholder Summary

Name	Description	Responsibilities
Company CEO	Owens the company that has shares in the market.	Sustains the company so it can remain in the market.
System Administrator	The person in charge with maintaining the system after implementation.	Ensures there is always a connection to the stock market and the shares and transmitted in real time to the user. Manages the app database. Ensures system is maintainable.
Investment Advisor	Person that makes investment recommendations or conducts securities analysis in return for a fee.	Make recommendations for the user regarding current shares on the market.

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Stockbrokers and Stock Dealers	A corporate engaged in the business of buying or selling securities on behalf of investors.	Open an account at Central Depository System(CDS) through a stockbroker or a stock
Implementation Team	In this scenario, the team is formed of 1 person, you.	Develop a clean implementation with minimum effort.

3.2 User Summary

Name	Description	Responsibilities	Stakeholder
User	The user that enters the app and buy/sell stocks.	<p>Create an account for the app so he can make real money.</p> <p>Start by using the virtual portfolio. No real money, yet.</p> <p>Buy/sell stocks.</p> <p>Overview markets.</p> <p>Make decisions based on the stock market.</p>	He is a direct user.

3.3 User Environment

The user can access the platform at will any time he wants because the market is running day and night. It is better to access in a non-stressful and calm environment because after he is done with the virtual portfolio, every decision he makes can have a big effect on his own money. App can be run on phone or computer.

4. Product Requirements

The product requires first of all a stable internet connection, a computer with at least 8 GB RAM, Dual Core processor, one monitor, mouse and keyboard, a smartphone running Android or iOS, online payment access.