DATE: PAGE: LAB 2: (b) STOCK MAINTAINANCE SYSTEM! 11. Introduction: 494 MARN MAR MARIE rodoporquo unemodisa duonthu susu 1.1 1 Pur pose : 2002 asuter the moter Mr. The purpose of this document is to define the requirements of Stock maintain and system The system is designed to manage stock unds track product movement, and provide inventory reports from a business. It aims to streamline stock management process, reduce human error and improve decision making related to stock purchasing and saling. The property of the saling of the s 1.2 Scope: system will automate inventory management ynis processes allowing For accurate tracking of stock levels, product owners, sales and deliveries. It will be used by warehouse staff, managers and store owners or normal people as well where will be able to view we stock price execute trade and view portfolio performance s depleted in the 1.9 overview: - opprost that transport TOOD I SOO, OF \$ TISON PARTON & moderning to this CRS outlines the requirements for building a fully functional stock trady system. This document contains all system requirements, design constraints and budget.

General Description: This eyeten will integrate when multiple stock exchanges to provide real time stock data. It will support multiple asset types, including shares, bonds and options to the system will allow users to execute trade manage portbolios and track the performance of various prancial incruments. At will be used based system with mobile app support Functional Requirements: States westerness and Visco turn mitable philadelines must 3.14 Real Time Market wata's · display real time stock prices, with updatu every second. · provide charts to display stock performance · filter stocke by various criteria. El Performance minimum telercy. 3.2 Stock Trading: · allow were to exente market (buy sell) ordere. by and balance timpoediately after being | selling of stocks. monotification for successful transactions 313 Auts and notifications: deet when stock price drop of addresse much a 3.4 Portfolio and Account management:

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0	perpormance a Requirement 200000
_	" system shall handle 100,000 confusiont usele
	. Stock price updated in real time with minimum
	latency.
	· order execution with 1 second of submission.
JUB 101	the of its dramware 242 seek to ecoquia att
	Design constrainte d'insurant une
	exercise the summer to executive to
Ş.,	· system should comply with binancial regulations.
00019	extablished API's for stock exchange
	· Data backup every 12 hours.
	- 99003 6.1
8.	Budget and Timeline Estimate:
dengi	in the system is designed to readly reapport of
Lancie	2.17 Timelines probables moderation druming
	used to previous our disputant than sensitively of team
	Requirement: 2-3 weeks to sivery was the
- 1	Development is 10-12 weeks
	Teching: 3-4 weeks
	Methainance: on going
	LOWER OF THE PARTY
	8.2 Sudget:
	mortage with should decorate to 200 state
not an	· Davidopment wet it \$50,000
	e serving a traite dopted 8,000 million of
	· API integrations: \$ 15,000
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