STOCK MAINTENANCE SYSTEM 1. Interoduction 1.1 Purpose of this Document: The purpose of this elocument is to outline the requirements and specifications for the development of a Stock Maintenance System. It will perousde a clear understanding of the project objectives, scope and deliverables. 1.2 Scape of this Document: This document defines the overall working and main objectives of the Stock Maintenance System. It includes a description of the development cost and estimated time required for the project 1.3 Queruew: The Stock Maintenance System is a software solution designed to automate inventory teracking, stock updates, purchase verder, and sales monitoring. It ensures efficient inventory management, frements stockouts and peroudes ereporting for letter decision making. 2. General Description The Stock Maintenance System will serve administratous, wavehouse staff and managers. It will handle peroduct details, stock levels, supplier management and sales ulcords. The system will be designed for case of use and accessible across multiple platforms.

3. Functional Requirements 3. Defect Management
3. Functional Regionent 3.1 Peroduct Management • Add, update and delete peroduct details. • Add, update and delete for each peroduct.
3.1 Peroduct and delete peroduct details.
drien unique identifiers for each peradux
The gri
3.2 Stock Gracking in real-time
· Set minimum and maximum stock thresholds. · generate alerts for low stock or overtal
· lenerate alerts for low stock or overt
situations
The second of th
3.3 Supplier Management
· Maintain supplier détails send purchase history. · generate and manage purchase ordress.
e lienerate and manage hurchase orders.
and the state of t
3.4 Sales Management
· Decord sales teransactions.
· Decord sales teransactions. · Automatically update stock leveles after each
Sale.
and the fact that the same that the same the sam
3.5 Polaritina
3.5 Reporting
generale daily, weekly and monthly exports.
· Gererate daily, weekly and monthly reports. · Peroride analysis on fast and slow-moving items.
11 1
4.1 Vser Interface Dequirements
4.1 User Interface
· User-feriendly interposes of all interstour and
4.1 User Interface • User-feriendly interface for administrators and Staff.
· Accessible ma desktop, web and mobile devices
ma clesking, web and mobile deline

13/38/8/

4.2	Integeration Interfaces
•	Integration with barroade scanners and POS systems
•	Integration with accounting software for
	Integration with accounting software for financial teaching.
5.	Performance Requirements
.5.1	Response Time : Stock updates and teransaction
	Performance Requirements Response Lime: Stock updates and teransaction perocessing should occur within 2 seconds.
	Scalability: Capable of handling at least 50,000 feroduct enteries and 10,000 daily teransactions.
5.3	Data Integrity: lensure accuracy and consistency of stock records across all modules.
6.	Design Constraints
	Llaudueaux himitations: The system should be
	compatible with standard hardware such
	as barcade scanners, printers & POS terminals.
	total della
6.2	Software Defendencies:
•	Utilize a relational datalease management system. Suffort sexuel communication functions and
300	Suffort secure communication perotocols and
(1) (2)	cloud deployment oftens
Mark	The state of the s
7.	Non- Functional Atteileutes
7.1	Security
•	Perouide authentication and access control.
•	Perouide authentication and access control. Perotect sensitive sales data with encuption.

7.2 Relaibility: Ensure continuous availability light leachiff and recovery features. 7.3 Scalability: Designed to support future business expansion 7.4 Portability: Accessible on web, desktop and mobile platforms. 7.5 Usability: Intuitive dashleoards with graphical stock insights 7.6 Reusability: Modular Codelease for easy integration 7.7 Compatibility: Compatible with standard POS and elauchouse management devices. 7.8 Data Integrity : Maintain accurate teransaction and stock logs. 8. Paelininary Schedule and Budget The development of the Stock Maintenance System is estimated to take 7 months with a lendget of \$ 150,000. This includes people planning, development, testing and deployment phases.