(Saathi) 22/8/25 Stock Maintenance System 1. Introduction 1.1 Physole: The purpose of this document is to specify the junctional and non-junctional attributes Stock Maintenance system It aims to provide of Suplace manual michods of stock management with an automation, reliable and scalable signal 4. Interface Regillyments 1.2 Scope of this document: This document difenes the onisall working and main objectives of the Stock Maintenance System. It includes a siquised for the project 1.3 Owlyulw: The Stock Management System will act as a untralized database of stock items. The system will enhance your reduce errors and sounde real time missibility of stock lines to stakeholdies. 2. General description The Stock Maintenance System well cates to the needs of anditors, administrators, it providing a standalone application with optional integration into ERP systems where each stock item much have a unique identifier. 3. Functional Requirements. 3:1 Stock Managiment · Maintain stock item details - id name, category, supplies, phil, quantity.

· Record stock Inflores and stock outgrow.

· yenerate alerts for low-stock and re-older livels. 3.2. Stock Transitions 3-3 Reporting & tralycis generate reports on surrent stock lines, stock montment and historical trends · Provide graphical - candle bar - dashboards jor managers and administrators 4. Intiface Requirements. 41 USIS Intryace. · uanagers: view dash board, update stock livels, generate Ripotts · sall stage Record stock usage and salls.
· tamen : Manage user accounting audit logs and system settings 42 Integration Interfaces · parcode/ BR scanners joi quick stock entry · Database integration por backend storage. 51 Ruponil Time 5. Performance Requirements · stock updates must reflect weither 2 seconds · search quertes must return results in 3 seconds a standalone application with optional 5.2. Scalability Initial Support of 500 + somewhent users and must kandle 100000 + stock Eurords with line updates. ACID properties.

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6. Disign vonstraints 6.1 Hardware Limitations · Runs on standards duktops or mobile derices · Barcoole scanners of mobile scanning derices required for just transactions and operations 6.7 software himitations · Must support major browsers and backend related to Relational database. audit policies 7 An Functional Attributes · Role based authentication - admin staff manages. · Passwords stored with encryption . Daily backups of database Jestin should allow horizontal saling for large businesses and be able to accommodate future growth and expansion. \*\* Portability

· Accessible via Windows, Linux, macOs and prossers

moleile Suponsine duign. Jes Usability

Impli and intuitine dashbaard with minimal

Haining required.

Mullilingual support for global business.

(Saathi) Reusalelle APT s job intégration into ERP system. . compatibility with common web browsers Automatic validation of supplies and sales records Preliminary Schedule & Budget The duelopment of the stock Maintenance system is 1stemated to take 4.5 months with a budget of 190000. This includes ploject planning, development of testing and deployment phases. o paily backups of descence Lystem desard alow horizontal soling for the soliness of formers. " Postability via Windows Line indios a deparation of the mobile supervide design · things and intercline databased with