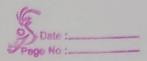


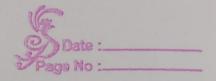
SRS document for stock maintenance system Introduction: 1.1 Purpose of the document: to specify the software requirements for a stock maintenance system, which helps manage and track inventory levels, orders, salus & deliveries 1.2 Scope of the document: were can add, apolate, and remove stock items, track Stock levely, generate reports & manage suppliers The system supports notifications for low stock levels and pacificates order mangement 1.3 Overview: this document provides ditailed Euro about the regularements & general procedures for stock maintenance. 2. General description: 2.1 Product perspective - staff perspective: veen details of stock étems, including quantitées, discriptions prices re suppliers; generate re view reports on stock levels, sales and orders. - momagneed perspective: access analytical dashboards for inventory brends, low Stock alerts and financial summaries; manage supplier détails re performance. 2.2 mProduct bunctions: - add I update I delike stock items - track stock levels by momage surrduring - generale reports - menge suppliers & parchase orders - receive notifications for how stock levels 2.3 Uses characteristics:

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- were Enclude - statts, managers & suppliers
- staff must have basic computer skills to operate the system. 2-4 General constraints. - users must have apperopriate permissions to add or modify stock - the system must operate within the organisation's existing. It intrastructure stock updates should occur in real-time to ensure data accuracy 205 Assumptions & dependencies: - were will imput accurate stack information - the system will sury on existing destabase Enfragtemeture por data storage meles will have internet access for online features if applicable. Functional orequirements: - Stock management system: neers can add new stock item including SKVs, descriptions 4 quantities; users can update cristing stock details & remove stock étems as necessary - reporting system: generale deports on inventage levels, sales data & supplies Eupo - motification system: outsmated alerts for low stock livels Er reorder reminders - supplier monagement: add and manage supplier detects, including contact empo and pricing 4. Non functional requirements:
- Porformance: the system should procus stock



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MAIN (upolatus with 2 seconds
base	- scalability: capable of inventory details for
abod	at hast 10,000 stock tems
	- Sewrity 00 , who are
	- Vsability: Intuitive 01
	J
5.	Fukaface requirements:
	- 01 interface: be intuitive and every to
	newigali
	- API : enables external systems to interact with the
	CLOCK ON OUR PLIANTE CAROLEM
	- Databass Enterface: responsible for Enteracting with
	- Databass Enterface: susponséble for Enteracting with underlying database to manage stock and seelated data.
	related data.
6.	Performance organisemente:
	- susponse time should be within 2 seconds
	- availability should be 99.9% of the time.
	- should prove user-friendly error musinges &
	recovery options
	- all sensitive data needs to be encrypted in
	Horage a transmission.
	The standale
7.	Design constraints:
	- destabasse must pe relational DBMS so maintain
	Enventory della
	- Should be build used microservices for
	modular functionality
	- standard server hardware
	The state of the s
8.	Popeliminary schudule & budget: an estimate of 5 months is needed to complete the project
	of 5 months es needed to complete the project



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Stock maintenances sagelan

- and undale should be shopped sull this

- API : easibles oshipal rombine to Entract situ the