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	Stock Maintenance System.
1.	Introduction
	1.1 Prapose of this Document.
	1.1 Pupose of this Document. This document defines the requirements
	for the Africk Maintenance Lyston (SMS).
	It sews as a grade for developpers &
	Stakeholder to align on the functionalities
	It sews as a guide for developers & stakeholder to align on the functionalities, performere, expectations & over all design of
Lua	the system.
	1.2 Scope of this document
	The SMS will stramline the management
	of inventory, the track stock levels, and
	of inventory, the track stock levels, and handle replinishments for businesses. The
	estimated development cost is \$100,000, with
	a project time of 5 months.
	1.3 Overview
	The Dock Maintenance System & designed to
	efficiently manage stock levels, automate
	inventory updates & supports peuchase
	order creation. It will cater to businesses
	of Valious sories ensuing real-time
	of Valious sixus ensuing real-time Stock visibility and minimizing in ventory related disruptions.
	related disruptions.
	Company of the Vancous Company Company of the Compa
2.	General Description.
	The SMS allows businesses to trade & manage
	their stock levels across multiply Cocalians,
	generate reports & automatically create
	purchase orders when stock levels fall

below a set the shold. Usus include inventory manageres, store employees of administrators Key features include: · Stock Leading & real-time updates · Automoted sustacky though puchase order generation · Inventory reports & analytics. · Multi-location inventory management 3. Functional Requirements 1. Hock Tracky: Real tim stock updalis 2. Purchase Orders: Auto generate orders when Specke to low 3. Multi-location: manage stock asso across localions 4. Reports: Generale inventory & turnover reports 5. Supplier Management: Maintain Supplier records 4 Interface Requirements · UI: Dels & mobile onterface · POS Integration: Sync with point - of - Saile Systems. · Supplier APIs: For Order updates. · ERP integration. Optional for financial sync. Performance · Handle 2000 Stock transactions simultaneously · Support 10,000 SKVs across Cocations o Update Stock within 2 records.

6.	Design Constraints.
	- Scene handling of supplier & inventory data - Developed with Python & Postgre SQL, hoster on cloud intractantum.
	· Developed with Python & Postgre SQL, hoster
	on cloud infratruitur.
1	Non Functional Attibutes
	· Security: Role-based access control
	Reliability 199% uption
	· Scalality: Expandable for more SKVs & locations
8.	Schedule & Budget
W	Budget: \$100,000
	· Timeline: 5 monts.
12499	Requirements: 05 month
	- Deign: Imonth
-later	· Development: 25 months
4.10	- Testing & development: I month.
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