## STOCK MAINTENANCE SYSTEM

# SOFTWARE REQUIREMENTS SPECIFICATION

for Stock Maintenance System  1. Introduction:  1. Introduction of the document fair the design and development fears, and supposety formunication between stabeholders  1. Scope of the document: This document covers the functional and non functional requirements, it includes user Interfaces, system functions and soon.  1. Occarrieus: Is intended to automate and manage Inventory contriol and stock management process.  2. Description:  2. Description:	23. Features:  Clealtime Interntary tracking arder management Wavehouse management suppliers and customer projetale.  24. Bystem Benefite:  Coptimized stock levels Improved order fulfillment data downer decision  3. Functional Requirement:  Museutary Management: Adding new stock offerne, defining details, description and so on  Coder Management: Creation of purchase and quantities, prices, delivery dates.  4. Interface Requirement: broudes need-based or as cessible thorough both desktop and mobile.  5. Reorfacimance Requirement:
manageou, resourchouse staffs, sales per personnel for vacrious maintenance and management.  3.9 User characteristics: All types of managers staffs should the a have good experience in managing those shiffs.	5.2 System avallability 5.3 Reliability  5.3 Reliability  3.4 State of the state of

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6.	Design Constoraints:
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61	Developed using modern our language the architecture should adhere to the
	the anchitecture should write it the
	pounciples of ODPs.
	Non-functional Attrubutes:
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0	Security many
<i>b</i>	Usability
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0	Maintainability.
1.6	o fuscitasu Managanard: Adding and
8	brelininary Schedule and Bridget:
	and so en
8-1	Schodule: The project is estimated to
851	take 5 months; en sommen bio
0	Requirement gathering (2 neeks)
based.	Design Phase (4 month)
0	Development Phase (2 months)
0	Testing Phase (1 month) Details
0	Deployment and towarning (2 weeks)
ь	Deployment and towning (2 weeks)  Post - deployment support (2 neeks)
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82	Budget: Dotal estimated budget 4 \$ 30,000; Regularment galtering: \$5,000 Derign share: \$7,000
b	Regularment galtering: \$5,000
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(1/0)	Decedopment Phase: \$10,000
2/1/3/1	Testing Phase: \$2,000
150	Deployment and training: \$2000
6	Deployment and towning: \$2000 Post deployment supposit: \$2000
BE BOOK	

### **UML DIAGRAMS**

#### **CLASS DIAGRAM**

#### STOCK MAINTENEANCE SYSTEM - CLASS DIAGRAM Customer +customerID: String {unique} +supplierID: String {unique} +name: String +contact: Integer[1..10] +name: String +contact: Integer[1..10] +address: String +company: String +supplyProduct(product: Product, quantity: Integer): void +generateProduct(productID: String, name: String, price: Double): Product +updateDetails(newName: String, newContact: Integer, newCompany: String): void +manageOrders(order: Order): void +createOrder(product: Product, quantity: Integer): Order +cancelOrder(orderID: String): void +updateDetails(newName: String, newContact: Integer, newAddress: String): void 0..3 1 \* +CustomerOrders +Interactions 0..\* InventoryManager +orderID: String (unique) +managerID: String {unique} +date: String +totalAmount: Double +contact: Integer[1..10] +suppliedProducts +status: OrderStatus +email: String +placeOrder(product: Product, quantity: Integer): void +cancelOrder(): void +confirmOrder(): void +monitorStock(product: Product): String +generateReport(startDate: String, endDate: String): String +reorderProduct(product: Product, quantity: Integer): void +updateInventory(product: Product, quantity: Integer): void +trackOrder(): Sring 1..\* «enumeration» OrderStatus Product +orderedProducts +productID: String {unique} (from Order) +name: String +quantity: Integer[0..\*] +price: Double Pending Confirmed Cancelled +productID +updateStock(newQuantity: Integer): void +checkAvailability(): Boolean +setPrice(newPrice: Double): void Delivered +managedProducts 1..\* +reStock(amount: Integer): void

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M3 D4: STOCK	MANTENANCE	
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Name: Storing	Suppliedboducts Name: String	
Quantity : Int	Contact: Star Int	
Price: Float	Company: String	
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& Customer	1 John Marie	
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