

VERSION 4 PRODUCT BACKLOG OF LOGISTICS MANAGEMENT SYSTEM - HEALTHCARE INDUSTRY										
Modules	US ID	Function / Description	User Story	Acceptance Criteria	Preconditions	Postconditions	Priority	Story Points	Status	Remarks (Catch Up Plan)
Authentication	US-001	Login Form	As a user, I want to enter my username and password into a login form, so that I can authenticate myself and access the system.	<ul style="list-style-type: none"> The login form accepts a username and password. A successful login redirects the user to their dashboard. An unsuccessful login displays an error message without revealing if the username or password is incorrect. 	<ul style="list-style-type: none"> The user must have an active account in the system. The login page must be accessible. The system must be online and connected to the database for authentication. 	<ul style="list-style-type: none"> The user is redirected to the dashboard after successful authentication. If authentication fails, an error message is displayed 	High	3	Pass	
	US-002	Error Messages	As a user, I want the system to validate my input before submission, so that I can correct any mistakes and avoid submitting invalid data.	<ul style="list-style-type: none"> Specific error messages are displayed for invalid credentials and account lockouts. Error messages should not disclose any sensitive information. 	<ul style="list-style-type: none"> The user is redirected to the dashboard after successful authentication. If authentication fails, an error message is displayed 	<ul style="list-style-type: none"> The user sees appropriate error messages (e.g., invalid credentials, account lockout). 	Medium	2	Pass	
	US-003	Forgot Password	As a user, I want to receive clear error messages when I enter incorrect credentials, so that I can understand what went wrong and try again.	<ul style="list-style-type: none"> Users can request a password reset link, which is sent to their registered email. The reset link must expire after a defined period for security. 	<ul style="list-style-type: none"> The user must be on the forgot password page. The user must have access to their registered email account. The system must be able to send emails. 	<ul style="list-style-type: none"> The user receives an email with a password reset link. The password reset link expires after a set time. 	Medium	3	In Progress	
	US-004	Two-steps Verification	As a user who has forgotten my password, I want a "Forgot Password" link, so that I can recover my account by resetting my password.	<ul style="list-style-type: none"> Users receive a verification code via SMS or email upon entering their password. The login process is only completed after entering the correct verification code. 	<ul style="list-style-type: none"> The user must have set up two-step verification in their account settings. The system must be able to send the verification code via SMS or email. 	<ul style="list-style-type: none"> The user successfully logs in after entering the correct verification code. If the code is incorrect, the user is prompted to try again. 	Low	4	In Progress	
	US-005	Input Validation	As a security-conscious user, I want to enable two-step verification (2SV) during login, so that I can add an extra layer of security to my account.	<ul style="list-style-type: none"> The system checks for proper email format and minimum password length before submission. Inline validation errors should be displayed in real-time as the user types. 	<ul style="list-style-type: none"> The system must be able to validate the email format and password strength. The user is on a form requiring validated input fields. 	<ul style="list-style-type: none"> Valid inputs proceed without errors. 	Medium	2	Pass	
TECH SUPPORT										
Inventory Management	US-006	Stock Level Management	As an admin, I want the system to track and update stock levels, so that I can monitor current inventory and avoid stockouts or overstocking.	<ul style="list-style-type: none"> The user should allow manual set of threshold of lowstock levels. Alerts should be generated when stock falls below predefined thresholds. 	<ul style="list-style-type: none"> Inventory items must exist in the system with stock levels already entered. Threshold levels should be set for inventory items. 	<ul style="list-style-type: none"> Stock levels are updated in real-time. Alerts are generated when stock falls below set thresholds. 	High	4	In Progress	
	US-007	Item Search	As an admin, I want a search feature that allows me to quickly find specific inventory items, so that I can access and manage stock information easily.	<ul style="list-style-type: none"> The search functionality should support filtering by multiple fields. Results should display relevant item details, including stock status. 	<ul style="list-style-type: none"> Inventory items must exist in the system. Fields for search filters (e.g., item name, category) must be populated. 	<ul style="list-style-type: none"> The search returns relevant inventory items based on filter criteria. 	Medium	2	In Progress	
	US-008	Batch/Expiration	As an admin, I want to track batches and expiration dates of inventory items, so that I can manage product lifecycles and avoid selling expired or near-expiry products.	<ul style="list-style-type: none"> Users can assign and edit batch and expiration dates for each inventory item. The system should automatically flag items nearing expiration. 	<ul style="list-style-type: none"> Inventory items with batches and expiration dates must exist in the system. 	<ul style="list-style-type: none"> Items nearing expiration are flagged automatically. Expired items are marked and no longer available for sale. 	Medium	3	In Progress	
	US-009	Add New Inventory Item	As an admin, I want to add new items to the inventory, so that I can maintain an up-to-date and complete product catalog.	<ul style="list-style-type: none"> Users can fill out a form with all required fields to create new inventory records. The system should prevent duplicate entries based on SKU. 	<ul style="list-style-type: none"> The user must have permission to add new inventory items. Required fields must be defined (e.g., name, quantity). 	<ul style="list-style-type: none"> A new inventory item is successfully created and added to the catalog. 	High	3	In Progress	
	US-010	Archiving (Soft Deletion) Inventory Item	As an admin, I want to archive inventory items instead of permanently deleting them, so that I can keep a record of discontinued or obsolete items for future reference.	<ul style="list-style-type: none"> Users can select items to archive, which moves them to an archived state rather than deleting them from the database. Archived items should not appear in standard inventory searches but should be retrievable if needed. 	<ul style="list-style-type: none"> Inventory items must exist in the system. The user must have permission to archive items. 	<ul style="list-style-type: none"> Archived items are moved to a separate state and no longer appear in regular searches. Archived items remain retrievable if necessary. 	Low	3	In Progress	
Pharmacy POS	US-011	Update Inventory Item	As an admin, I want to update existing inventory item details, so that I can keep product information accurate and up-to-date.	<ul style="list-style-type: none"> Users can edit fields such as quantity, supplier, and price. Changes must be logged for audit purposes. 	<ul style="list-style-type: none"> Inventory items must already exist in the system. The user must have permission to update inventory items. 	<ul style="list-style-type: none"> Changes to inventory items are logged for audit purposes. Updated information is reflected in the system immediately. 	High	2	In Progress	
	US-012	Generate Invoices	I want to generate invoices for each transaction, so that I can provide customers with detailed billing records, while payments are processed through the integrated finance module.	<ul style="list-style-type: none"> The system should create invoices that include transaction details The invoice should include all relevant details such as: Customer information (name, contact) Date of transaction List of items (name, quantity, unit price, total) Total amount due The invoice should have a unique invoice number for tracking. 	<ul style="list-style-type: none"> A transaction must be completed in the system. The finance module must be integrated and functional. 	<ul style="list-style-type: none"> An invoice is generated with all specified details. 	High	3	In Progress	

Purchase Order	US-024	PO Creation Supplier Selection and Item Selection	As an admin, I want to create a purchase order by selecting a supplier and choosing the items to be ordered, so that I can formalize procurement and keep track of orders efficiently.	<ul style="list-style-type: none"> • Users can enter all necessary details and submit the PO for purchase. • The PO should include: <ul style="list-style-type: none"> - Supplier details. - Item details (product name, quantity, price per unit). - Total amount (auto-calculated). • Admin should be able to save and review the PO before finalizing and submitting it. • Once submitted, the system should trigger notifications to the relevant stakeholders (e.g. signatories). 	<ul style="list-style-type: none"> • The admin must have permission to create purchase orders. • Suppliers and items must be available in the system. 	<ul style="list-style-type: none"> • A purchase order is created and saved in the system. 	High	3	In Progress	
	US-025	Product Evaluation/Inspection	As an admin, I want to manually input the received good products into the system, so that they can be automatically added to the inventory, while bad products are returned to the supplier for replacement.	<ul style="list-style-type: none"> • Upon receiving a delivery, the admin should manually inspect the products and input the good products into the system. • The system should automatically update the inventory for the good products, adjusting stock levels accordingly. • For bad products (e.g., damaged, incorrect, or expired items): <ul style="list-style-type: none"> - The admin should be able to flag these items as Returned to Supplier. - The system should record the details of the bad products (product name, quantity, reason for return). - The system should wait for a replacement delivery and notify the admin or designated staff once the replacement has been scheduled. • The system should display the status of the return (e.g., waiting for replacement, replacement received) in the Return Products section. 	<ul style="list-style-type: none"> • Products must be received, and the admin must have access to inspect them. 	<ul style="list-style-type: none"> • Good products are added to the inventory, and stock levels are updated. • Details of returned products are recorded, and notifications are set up for replacements. 	High	4	Pass	
Return Management	US-026	Return Creation	I want to create a return request for bad products (damaged, expired, or incorrect), so that I can initiate the process of sending back faulty products to the supplier.	<ul style="list-style-type: none"> • The admin should be able to create a return request directly from the product evaluation/inspection module after identifying bad products. • The return request should include: <ul style="list-style-type: none"> - Product details (name, batch number, expiration date if applicable). - Quantity of items to be returned. - Reason for the return (e.g., damaged, expired). • Supplier details. • Date of return creation. • Once a return is created, it should trigger a notification to the supplier and update the status in the Return Products section. 	<ul style="list-style-type: none"> • The admin must have permission to create return requests immediately after inspection. • Bad products must be identified during the inspection process. 	<ul style="list-style-type: none"> • A return request is created and recorded in the system. 	Medium	3	Pass	
	US-027	Return History/List	As an admin, I want to view a history/list of all return requests, so that I can keep track of returned products, supplier responses, and the status of replacements.	<ul style="list-style-type: none"> • Users can filter and search through return history by date, item, or status. • The system should maintain a Return History/List that shows all previous return requests with the following details: <ul style="list-style-type: none"> - Product name and quantity. - Date of return request creation. - Supplier name. - Status of the return (e.g., pending, authorized, rejected, completed). - Reason for the return. • The admin should be able to filter the return history by: <ul style="list-style-type: none"> - Date range. - Supplier. - Product. - Status (pending, approved, rejected). • The system should allow the admin to export the return history into PDF or Excel format for reporting purposes. 	<ul style="list-style-type: none"> • Return requests must exist in the system. • The admin must have permission to view return history. 	<ul style="list-style-type: none"> • Return history is accessible, with filters applied as needed. • Reports can be exported for documentation purposes. 	Low	3	Pass	

Supplier Management	US-028	Add Supplier Information	As an admin, I want to add and manage detailed supplier information, so that I can maintain an organized supplier directory and have easy access to supplier details.	<ul style="list-style-type: none"> The system should allow the admin to add new suppliers with fields like: <ul style="list-style-type: none"> Supplier name. Contact information (address, phone number, email). Supplier category (e.g., pharmaceutical, medical equipment). The admin should be able to edit and update supplier information as necessary. The system should validate supplier information (e.g., required fields) before saving. The supplier directory should be searchable by supplier name, category, or items supplied. 	<ul style="list-style-type: none"> The admin must have permission to manage supplier information. 	<ul style="list-style-type: none"> Supplier records are successfully added, updated, or deleted as needed. Supplier directory becomes easily searchable and filterable. 	Medium	3	Pass	
	US-029	Add Supplier Items	As an admin, I want to add and associate specific items with suppliers, so that I can track which items are supplied by which suppliers.	<ul style="list-style-type: none"> The system should allow the admin to link items (medicines, equipment, etc.) to the relevant supplier during the item creation or update process. Each supplier should have a list of items they supply, which can be viewed and managed (add, edit, delete) from the supplier's profile. The system should allow the admin to view all suppliers for a specific item during purchase order creation. 	<ul style="list-style-type: none"> The admin must have permission to manage supplier items. Suppliers and items must already exist in the system. 	<ul style="list-style-type: none"> Items are successfully linked to suppliers. The system displays all suppliers linked to a specific item during purchase order creation. 	Medium	2	Pass	
Alerts & Notifications	US-030	Low Stock Alerts	As an admin or pharmacist, I want to receive alerts for low stock levels and product expiry dates, so that I can proactively manage inventory and ensure product availability.	<ul style="list-style-type: none"> The system automatically monitors stock levels and triggers alerts when thresholds are breached. Alerts should be configurable based on item categories. 	<ul style="list-style-type: none"> Inventory items must be tracked for stock levels. 	<ul style="list-style-type: none"> Alerts are triggered and sent to designated users when stock levels are low. 	High	3	In Progress	
	US-031	Expiry Date Alerts	As an admin or pharmacist, I want to receive automatic alerts when stock levels are low, so that I can reorder products and avoid running out of essential inventory.	<ul style="list-style-type: none"> The system should notify users of items nearing expiration based on configurable time frames (e.g., 30 days before expiry). Alerts should provide details of the affected items for easy identification. 	<ul style="list-style-type: none"> Expiration dates must be assigned to inventory items in the system. 	<ul style="list-style-type: none"> Alerts are sent to users for items nearing expiration. 	Medium	3	In Progress	
Reporting and Analytics	US-032	Financial Reports	As an admin, I want to generate detailed financial reports, so that I can analyze sales, payments, and financial performance over specific time periods.	<ul style="list-style-type: none"> Users can generate reports based on specified timeframes and metrics. Reports should include graphical representations of data for clarity. Sales Reports (daily, weekly, monthly, yearly). The reports should include filtering options for specific time periods (e.g., last month, last quarter) and filtering by products, customers, or payment methods. The system should allow exporting financial reports as PDF or Excel for external use. Users should be able to print the report directly from the system. 	<ul style="list-style-type: none"> Financial data must be recorded in the system. Users must have permission to generate reports. 	<ul style="list-style-type: none"> Financial reports are generated and available for viewing. Reports can be printed or exported as needed. 	High	4	In Progress	
	US-033	Inventory Reports	As an admin, I want to generate detailed inventory reports, so that I can monitor stock levels, track product movement, and manage inventory efficiently.	<ul style="list-style-type: none"> Users can select criteria for generating reports, including item categories, etc. Reports should summarize key metrics. The system should provide options to generate various types of inventory reports, including: <ul style="list-style-type: none"> Stock Level Reports (current inventory levels for all products). Stock Movement Reports (incoming/outgoing inventory over time). Low Stock Reports (items below reorder threshold). Expired/Expiring Stock Reports (expired or soon-to-expire items). Batch Tracking Reports (inventory movement by batch/expiration date). The reports should allow filtering by product, category, supplier, or batch. Reports should be exportable to PDF or Excel formats and printable directly from the system. 	<ul style="list-style-type: none"> Inventory data must be up-to-date in the system. Users must have permission to generate inventory reports. 	<ul style="list-style-type: none"> Inventory reports are generated and accessible for review. Users can print or export the reports as needed. 	Medium	3	In Progress	

				<ul style="list-style-type: none">• The system should support exporting the sales report in PDF or Excel format.• The admin should be able to print the report directly from the system.• Sales data should be automatically pulled from transactions recorded in the system and updated in real-time.• The report should allow graphical representation (e.g., bar charts or pie charts) for easier interpretation of sales data.• The system should allow the admin to generate sales reports for specific time frames (e.g., daily, weekly, monthly, yearly).	<ul style="list-style-type: none">• Sales data must be recorded in the system.• The user must have permission to generate sales reports.	<ul style="list-style-type: none">• Sales reports are generated and can be printed or exported.• Graphical representations of sales data are available in the report.	Medium	3	In Progress	
	US-034	Sales Report	As an admin, I want to generate detailed sales reports, so that I can analyze sales performance and track revenue over specific time periods.							