

Inventory Management System

Unit Test Report

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Test Summary

Metric	Value
Total Tests	53
Status	PASSED
Exit Code	0

Test Modules

Test Module	Description	Tests
test_user_model.py	User authentication & management	4
test_inventory_model.py	Inventory CRUD operations	7
test_supplier_model.py	Supplier management	5
test_customer_model.py	Customer management	5
test_encryption.py	Password hashing & verification	6
test_barcode_utils.py	Barcode generation	2
test_import_export.py	CSV/Excel import/export	4
test_purchase_order_model.py	Purchase orders	3
test_sales_order_model.py	Sales orders	3
test_audit_log_model.py	Audit logging	3
test_stock_alert_model.py	Stock alerts	3
test_dashboard_stats.py	Dashboard statistics	2
test_email_notifications.py	Email system	3
test_login_controller.py	Login controller	3

Detailed Test Output

```
Test importing CSV with missing required headers ... ok
test_add_item (test_inventory_model.TestInventoryModel.test_add_item)
Test adding a new inventory item ... ok
test_add_item_with_barcode
(test_inventory_model.TestInventoryModel.test_add_item_with_barcode)
Test adding item with barcode ... ok
test_delete_item (test_inventory_model.TestInventoryModel.test_delete_item)
Test deleting an item ... ok
test_get_items (test_inventory_model.TestInventoryModel.test_get_items)
Test retrieving all items ... ok
test_search_items_by_name
(test_inventory_model.TestInventoryModel.test_search_items_by_name)
Test searching items by name ... ok
test_search_items_by_sku
(test_inventory_model.TestInventoryModel.test_search_items_by_sku)
Test searching items by SKU ... ok
test_update_item (test_inventory_model.TestInventoryModel.test_update_item)
Test updating an item ... ok
test_create_admin_account
(test_login_controller.TestLoginController.test_create_admin_account)
Test creating admin account ... ok
test_login_failure (test_login_controller.TestLoginController.test_login_failure)
Test failed login with wrong password ... ok
test_login_success (test_login_controller.TestLoginController.test_login_success)
Test successful login ... ok
test_create_purchase_order
(test_purchase_order_model.TestPurchaseOrderModel.test_create_purchase_order)
Test creating a purchase order ... ok
test_get_purchase_order
(test_purchase_order_model.TestPurchaseOrderModel.test_get_purchase_order)
Test retrieving a purchase order ... ok
test_update_purchase_order_status
(test_purchase_order_model.TestPurchaseOrderModel.test_update_purchase_order_status)
Test updating purchase order status ... ok
test_create_sales_order
(test_sales_order_model.TestSalesOrderModel.test_create_sales_order)
Test creating a sales order ... ok
test_get_sales_order (test_sales_order_model.TestSalesOrderModel.test_get_sales_order)
Test retrieving a sales order ... ok
test_update_sales_order_status
(test_sales_order_model.TestSalesOrderModel.test_update_sales_order_status)
Test updating sales order status ... ok
test_check_and_create_alerts
(test_stock_alert_model.TestStockAlertModel.test_check_and_create_alerts)
Test checking and creating stock alerts ... ok
test_get_active_alerts
(test_stock_alert_model.TestStockAlertModel.test_get_active_alerts)
Test retrieving active alerts ... ok
test_resolve_alert (test_stock_alert_model.TestStockAlertModel.test_resolve_alert)
Test marking an alert as resolved ... ok
test_create_supplier (test_supplier_model.TestSupplierModel.test_create_supplier)
Test creating a new supplier ... ok
```