MANUAL TEST CASE REPORT

Healthcare Management System

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Prepared By	QA Team
Reviewed By	QA Lead
Approved By	Project Manager
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Total Test Cases	98
Test Environment	UAT Environment

Role	Name	Signature	Date
Prepared By	QA Engineer		
Reviewed By	QA Lead		
Approved By	Project Manager		

REVISION HISTORY

Version	Date	Author	Description of Changes
0.1	January 02, 2026	QA Engineer	Initial draft created
0.2	January 05, 2026	QA Engineer	Added patient registration and appointment test cases
0.4	January 08, 2026	QA Engineer	Added doctor, prescription, and lab test cases
0.6	January 10, 2026	QA Engineer	Added billing, insurance, and pharmacy test cases
0.8	January 12, 2026	QA Engineer	Added reports and admin module test cases
0.9	January 14, 2026	QA Lead	Review and corrections
1.0	January 15, 2026	Project Manager	Final approval - Ready for execution

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1. INTRODUCTION

This document contains the manual test cases for the Healthcare Management System (HMS). The platform enables healthcare providers to manage patient records, appointments, prescriptions, laboratory tests, billing, and insurance claims. The test cases are designed to verify the functionality, security, usability, and HIPAA compliance of all healthcare management features. Each test case includes detailed steps, expected results, and execution status to ensure comprehensive coverage of the platform's features while maintaining patient data privacy and healthcare regulatory standards.

2. TEST SCOPE

In Scope:
• User Authentication and Role-Based Access Control
• Patient Registration and Demographics Management
• Appointment Scheduling and Calendar Management
• Doctor/Physician Portal and Availability
• Electronic Medical Records (EMR) Management
• Prescription and Medication Management
• Laboratory Tests and Diagnostic Reports
• Pharmacy and Inventory Management
• Billing, Invoicing, and Payment Processing
• Insurance Verification and Claims Processing
• Reports and Analytics Dashboard
• Notifications and Alert System
• Administrative Configuration

Out of Scope:
• Performance and Load Testing
• Security Penetration Testing
• Mobile Application Testing
• Medical Device Integration Testing
• HL7/FHIR Integration Testing
• HIPAA Compliance Audit (Separate Document)

3. TEST ENVIRONMENT

Component	Specification
Application URL	https://hms.hospital.example.com/uat
Browser	Google Chrome v120+, Mozilla Firefox v115+, Safari 17+, Microsoft Edge v120+
Operating System	Windows 10/11, macOS Sonoma+
Database	PostgreSQL 15.x / Microsoft SQL Server 2022
Authentication	OAuth 2.0, LDAP, Single Sign-On (SSO)
Integration	HL7 FHIR R4 Test Server, Lab Interface Simulator
Test Data	Synthetic patient data, test prescriptions, sample lab results
Compliance	HIPAA-compliant test environment with audit logging

4. TEST CASE SUMMARY

Module	Total TCs	High	Medium	Low	Pass	Fail	Not Run
User Authentication & Access Control	8	6	2	0	8	0	0
Patient Registration	8	5	3	0	8	0	0
Appointment Scheduling	8	5	3	0	8	0	0
Doctor/Physician Module	8	5	3	0	8	0	0
Electronic Medical Records (EMR)	8	6	2	0	8	0	0
Prescription Management	8	6	2	0	8	0	0
Laboratory & Diagnostics	8	5	3	0	8	0	0
Pharmacy & Inventory	8	4	3	1	8	0	0
Billing & Payments	8	5	3	0	8	0	0
Insurance & Claims	6	4	2	0	6	0	0
Reports & Analytics	6	3	3	0	6	0	0
Notifications & Alerts	6	4	2	0	6	0	0
Admin & Configuration	8	4	3	1	8	0	0
TOTAL	**98**	**62**	**34**	**2**	**98**	**0**	**0**

5. USER AUTHENTICATION & ACCESS CONTROL MODULE

TC ID	Test Case Title	Preconditions	Test Steps	Expected Result	Priority	Status
TC_AUTH_001	Staff User Login	1. User account exists 2. Account is active 3. Login page accessible	1. Navigate to login page 2. Enter valid username 3. Enter valid password 4. Click 'Sign In' 5. Complete 2FA if enabled	1. Credentials validated 2. 2FA completed 3. Dashboard displayed 4. Role-based menu shown 5. Audit log created	High	PASS
TC_AUTH_002	Role-Based Access - Doctor	1. Doctor account exists 2. Role permissions configured	1. Login as Doctor 2. View available menus 3. Access patient records 4. Try accessing admin settings 5. Verify restrictions	1. Doctor dashboard shown 2. Patient access granted 3. Prescription access granted 4. Admin access denied 5. Proper restrictions applied	High	PASS
TC_AUTH_003	Role-Based Access - Nurse	1. Nurse account exists 2. Role configured	1. Login as Nurse 2. View available features 3. Access vitals entry 4. Try prescription creation 5. Verify limitations	1. Nurse dashboard shown 2. Vitals entry allowed 3. View prescriptions allowed 4. Create prescription denied 5. Role limits enforced	High	PASS
TC_AUTH_004	Role-Based Access - Receptionist	1. Receptionist account exists 2. Permissions set	1. Login as Receptionist 2. Access appointment module 3. Access patient registration 4. Try accessing medical records 5. Verify access levels	1. Reception dashboard shown 2. Appointments accessible 3. Registration allowed 4. Medical records restricted 5. Proper access control	High	PASS
TC_AUTH_005	Invalid Login Attempt	1. Login page accessible 2. Invalid credentials prepared	1. Enter valid username 2. Enter wrong password 3. Click 'Sign In' 4. View error message 5. Check attempt counter	1. Login fails 2. Error message shown 3. Attempts counted 4. Account locks after limit 5. Security alert triggered	High	PASS
TC_AUTH_006	Password Reset	1. User account exists 2. Email configured	1. Click 'Forgot Password' 2. Enter username/email 3. Receive reset link 4. Create new password 5. Login with new password	1. Reset email sent 2. Link valid for 24 hours 3. Password updated 4. Old password invalid 5. Login successful	High	PASS
TC_AUTH_007	Session Timeout	1. User logged in 2. Timeout configured	1. Login successfully 2. Remain inactive 3. Wait for timeout 4. Try to perform action 5. View timeout message	1. Session expires 2. Warning before timeout 3. Redirected to login 4. Unsaved data warning 5. Re-authentication required	Medium	PASS
TC_AUTH_008	Audit Log for Login	1. Audit logging enabled 2. Admin access available	1. Perform login 2. Access audit logs 3. Search for login event 4. View log details 5. Verify information	1. Login logged 2. Timestamp recorded 3. IP address captured 4. User ID logged 5. Success/failure noted	Medium	PASS

6. PATIENT REGISTRATION MODULE

TC ID	Test Case Title	Preconditions	Test Steps	Expected Result	Priority	Status
TC_PAT_001	Register New Patient	1. User logged in 2. Registration access granted 3. Patient not in system	1. Navigate to Patient Registration 2. Enter personal details 3. Enter contact information 4. Enter emergency contact 5. Upload ID documents 6. Save patient record	1. Form displayed 2. Validation works 3. Patient ID generated 4. Record saved 5. Confirmation shown 6. Patient searchable	High	PASS
TC_PAT_002	Search Existing Patient	1. Patients exist in system 2. Search access granted	1. Go to Patient Search 2. Enter patient name 3. Search by patient ID 4. Search by phone number 5. View search results	1. Search works 2. Results displayed 3. Multiple criteria work 4. Patient details accessible 5. Quick actions available	High	PASS
TC_PAT_003	Update Patient Demographics	1. Patient exists 2. Edit access granted	1. Search for patient 2. Open patient record 3. Click 'Edit' 4. Update address/phone 5. Save changes	1. Patient found 2. Edit form opens 3. Fields editable 4. Changes saved 5. Audit trail created	High	PASS
TC_PAT_004	Add Patient Insurance	1. Patient registered 2. Insurance info available	1. Open patient record 2. Go to Insurance tab 3. Add insurance details 4. Enter policy number 5. Verify coverage 6. Save insurance	1. Insurance tab accessible 2. Form displayed 3. Verification works 4. Coverage confirmed 5. Insurance linked	High	PASS
TC_PAT_005	Upload Patient Documents	1. Patient exists 2. Document upload enabled	1. Open patient record 2. Go to Documents tab 3. Click 'Upload' 4. Select file 5. Add document type 6. Save document	1. Upload option available 2. File types validated 3. Document uploaded 4. Categorized correctly 5. Viewable in record	Medium	PASS
TC_PAT_006	Patient Medical History	1. Patient registered 2. History section available	1. Open patient record 2. Go to Medical History 3. Add allergies 4. Add chronic conditions 5. Add family history 6. Save history	1. History tab accessible 2. Allergies recorded 3. Conditions saved 4. Family history added 5. Alerts configured	High	PASS
TC_PAT_007	Duplicate Patient Check	1. Patient exists 2. Duplicate check enabled	1. Start new registration 2. Enter existing patient details 3. Submit form 4. View duplicate warning 5. Choose action	1. Duplicate detected 2. Warning displayed 3. Existing record shown 4. Merge option available 5. Duplicate prevented	High	PASS
TC_PAT_008	Print Patient Card	1. Patient registered 2. Print enabled	1. Open patient record 2. Click 'Print Card' 3. Preview card 4. Print patient card 5. Verify information	1. Print option available 2. Preview displayed 3. Card formatted correctly 4. Barcode/QR included 5. Print successful	Medium	PASS

7. APPOINTMENT SCHEDULING MODULE

TC ID	Test Case Title	Preconditions	Test Steps	Expected Result	Priority	Status
TC_APT_001	Book New Appointment	1. Patient registered 2. Doctor available 3. Slots open	1. Select patient 2. Choose department 3. Select doctor 4. Pick date and time 5. Select appointment type 6. Confirm booking	1. Patient selected 2. Doctors listed 3. Available slots shown 4. Appointment booked 5. Confirmation generated 6. Notifications sent	High	PASS
TC_APT_002	View Doctor Schedule	1. Doctor exists 2. Schedule configured	1. Go to Appointments 2. Select doctor 3. View calendar 4. Check daily schedule 5. View weekly schedule	1. Calendar displayed 2. Appointments shown 3. Available slots visible 4. Blocked times marked 5. Color coding works	High	PASS
TC_APT_003	Reschedule Appointment	1. Appointment exists 2. Reschedule allowed	1. Find appointment 2. Click 'Reschedule' 3. Select new date/time 4. Confirm change 5. Notify patient	1. Appointment found 2. New slots shown 3. Rescheduled successfully 4. Old slot freed 5. Notifications sent	High	PASS
TC_APT_004	Cancel Appointment	1. Appointment booked 2. Cancel allowed	1. Find appointment 2. Click 'Cancel' 3. Select reason 4. Confirm cancellation 5. Process refund if applicable	1. Cancellation prompt shown 2. Reason captured 3. Appointment cancelled 4. Slot released 5. Patient notified	High	PASS
TC_APT_005	Patient Check-In	1. Appointment scheduled 2. Patient arrived	1. Search appointment 2. Click 'Check-In' 3. Verify patient identity 4. Update arrival time 5. Add to queue	1. Appointment found 2. Check-in recorded 3. Arrival time logged 4. Added to doctor queue 5. Status updated	High	PASS
TC_APT_006	Recurring Appointment	1. Patient needs follow-ups 2. Recurring enabled	1. Book appointment 2. Enable recurring 3. Set frequency 4. Set end date 5. Confirm series	1. Recurring option shown 2. Frequency options available 3. Series created 4. All appointments booked 5. Conflicts flagged	Medium	PASS
TC_APT_007	Appointment Waitlist	1. No slots available 2. Waitlist enabled	1. Try to book appointment 2. No slots available 3. Add to waitlist 4. Slot becomes available 5. Notify patient	1. Waitlist option shown 2. Patient added 3. Priority set 4. Auto-notification on opening 5. Easy booking from waitlist	Medium	PASS
TC_APT_008	Appointment Reminder	1. Appointment booked 2. Reminders configured	1. Book appointment 2. Set reminder preferences 3. Wait for reminder time 4. Verify reminder sent 5. Check delivery status	1. Reminder scheduled 2. SMS/Email sent 3. Correct timing 4. Appointment details included 5. Delivery confirmed	Medium	PASS

8. DOCTOR/PHYSICIAN MODULE

TC ID	Test Case Title	Preconditions	Test Steps	Expected Result	Priority	Status
TC_DOC_001	View Today's Appointments	1. Doctor logged in 2. Appointments exist	1. Login as doctor 2. View dashboard 3. Check today's list 4. View patient details 5. Start consultation	1. Dashboard loads 2. Today's appointments shown 3. Patient info visible 4. Quick access to records 5. Start button available	High	PASS
TC_DOC_002	Access Patient Medical Record	1. Patient has appointment 2. Doctor has access	1. Select patient 2. Open medical record 3. View history 4. Check allergies 5. Review past visits	1. Record accessible 2. Complete history shown 3. Allergies highlighted 4. Past visits listed 5. Lab results visible	High	PASS
TC_DOC_003	Record Consultation Notes	1. Consultation started 2. Note template available	1. Start consultation 2. Record chief complaint 3. Enter examination findings 4. Add diagnosis 5. Save consultation	1. Note form opens 2. Templates available 3. Auto-save works 4. Diagnosis coded (ICD) 5. Note saved to EMR	High	PASS
TC_DOC_004	Set Doctor Availability	1. Doctor logged in 2. Schedule management access	1. Go to My Schedule 2. Set working hours 3. Block time slots 4. Set vacation days 5. Save schedule	1. Schedule editor opens 2. Hours configurable 3. Blocks applied 4. Vacation marked 5. Appointments adjusted	High	PASS
TC_DOC_005	Order Lab Tests	1. Patient in consultation 2. Lab order access	1. Open patient record 2. Click 'Order Lab Test' 3. Select tests 4. Add clinical notes 5. Submit order	1. Test catalog shown 2. Tests selectable 3. Order created 4. Lab notified 5. Order in patient record	High	PASS
TC_DOC_006	View Lab Results	1. Lab results available 2. Doctor has access	1. Open patient record 2. Go to Lab Results 3. View recent results 4. Check abnormal values 5. Acknowledge results	1. Results displayed 2. Abnormals highlighted 3. Trends shown 4. Reference ranges visible 5. Acknowledgment recorded	High	PASS
TC_DOC_007	Refer to Specialist	1. Patient needs referral 2. Specialists available	1. Open patient record 2. Click 'Create Referral' 3. Select specialty 4. Choose doctor 5. Add referral notes 6. Submit referral	1. Referral form opens 2. Specialties listed 3. Doctors shown 4. Referral created 5. Specialist notified	Medium	PASS
TC_DOC_008	Complete Consultation	1. Consultation in progress 2. All entries made	1. Review consultation notes 2. Finalize prescription 3. Add follow-up 4. Mark complete 5. Generate summary	1. Notes reviewed 2. Prescription saved 3. Follow-up scheduled 4. Status updated 5. Summary available	High	PASS

9. ELECTRONIC MEDICAL RECORDS (EMR) MODULE

TC ID	Test Case Title	Preconditions	Test Steps	Expected Result	Priority	Status
TC_EMR_001	View Patient EMR	1. Patient exists 2. EMR access granted	1. Search patient 2. Open EMR 3. View summary 4. Check all sections 5. Navigate tabs	1. EMR loads 2. Summary displayed 3. All sections accessible 4. Data accurate 5. Navigation smooth	High	PASS
TC_EMR_002	Add Vital Signs	1. Patient checked in 2. Vitals access granted	1. Open patient EMR 2. Go to Vitals 3. Enter BP, pulse, temp 4. Enter height, weight 5. Calculate BMI 6. Save vitals	1. Vitals form opens 2. Fields validated 3. BMI auto-calculated 4. Abnormals flagged 5. Vitals saved	High	PASS
TC_EMR_003	Record Allergies	1. Patient EMR open 2. Allergy section available	1. Go to Allergies 2. Add new allergy 3. Select allergen type 4. Enter reaction 5. Set severity 6. Save allergy	1. Allergy form opens 2. Allergen searchable 3. Reaction recorded 4. Severity set 5. Alert created	High	PASS
TC_EMR_004	View Visit History	1. Patient has past visits 2. History accessible	1. Open patient EMR 2. Go to Visit History 3. View all visits 4. Filter by date 5. Open visit details	1. History displayed 2. All visits listed 3. Filter works 4. Details accessible 5. Notes viewable	High	PASS
TC_EMR_005	Add Problem List	1. EMR open 2. Problem list access	1. Go to Problem List 2. Add new problem 3. Search diagnosis 4. Set status (active/resolved) 5. Save problem	1. Problem list shown 2. ICD search works 3. Problem added 4. Status set 5. Linked to visits	High	PASS
TC_EMR_006	View Medication History	1. Patient has medications 2. History available	1. Open EMR 2. Go to Medications 3. View current meds 4. View past medications 5. Check interactions	1. Medications listed 2. Current/past separated 3. Dosages shown 4. Interactions flagged 5. Refill status visible	High	PASS
TC_EMR_007	Print Patient Summary	1. EMR complete 2. Print access granted	1. Open patient EMR 2. Click 'Print Summary' 3. Select sections 4. Preview summary 5. Print document	1. Print option available 2. Sections selectable 3. Preview accurate 4. Format correct 5. Print successful	Medium	PASS
TC_EMR_008	EMR Access Audit	1. Audit logging enabled 2. EMR accessed	1. Access patient EMR 2. View audit log 3. Check access records 4. Verify user logged 5. Check timestamp	1. Access logged 2. User ID recorded 3. Timestamp accurate 4. Action type noted 5. IP address captured	High	PASS

10. PRESCRIPTION MANAGEMENT MODULE

TC ID	Test Case Title	Preconditions	Test Steps	Expected Result	Priority	Status
TC_RX_001	Create New Prescription	1. Doctor logged in 2. Patient in consultation 3. Drug database available	1. Open prescription module 2. Search medication 3. Select drug 4. Enter dosage 5. Set frequency 6. Set duration 7. Add instructions 8. Save prescription	1. Drug search works 2. Drug selected 3. Dosage validated 4. Frequency set 5. Duration set 6. Prescription saved	High	PASS
TC_RX_002	Drug Interaction Check	1. Patient on medications 2. Interaction DB available	1. Create prescription 2. Add drug with interaction 3. View interaction alert 4. Review interaction details 5. Override or change	1. Interaction detected 2. Alert displayed 3. Severity shown 4. Details available 5. Override requires reason	High	PASS
TC_RX_003	Allergy Alert	1. Patient has allergies 2. Allergy check enabled	1. Create prescription 2. Add drug patient is allergic to 3. View allergy alert 4. Review allergy details 5. Choose action	1. Allergy detected 2. Alert displayed prominently 3. Reaction shown 4. Cannot proceed without action 5. Override logged	High	PASS
TC_RX_004	Print Prescription	1. Prescription created 2. Print enabled	1. Open prescription 2. Click 'Print' 3. Preview prescription 4. Print document 5. Verify format	1. Print option available 2. Preview accurate 3. Doctor details shown 4. Patient info correct 5. Medications listed clearly	High	PASS
TC_RX_005	E-Prescribe to Pharmacy	1. E-prescribe enabled 2. Pharmacy connected	1. Create prescription 2. Select pharmacy 3. Send electronically 4. Confirm transmission 5. Track status	1. Pharmacy list shown 2. Prescription sent 3. Confirmation received 4. Status trackable 5. Pharmacy notified	High	PASS
TC_RX_006	Prescription Refill	1. Previous prescription exists 2. Refills remaining	1. View patient medications 2. Select medication for refill 3. Verify refills available 4. Process refill 5. Update count	1. Refill option shown 2. Count verified 3. Refill processed 4. Count decremented 5. Pharmacy notified	High	PASS
TC_RX_007	Controlled Substance Prescription	1. Doctor has DEA number 2. EPCS enabled	1. Prescribe controlled substance 2. Enter DEA number 3. Complete 2FA 4. Sign prescription 5. Submit to PDMP	1. DEA required 2. 2FA completed 3. Digital signature applied 4. PDMP submission 5. Audit trail created	High	PASS
TC_RX_008	Prescription Templates	1. Templates configured 2. Doctor has templates	1. Open prescription 2. Select template 3. Apply template 4. Modify if needed 5. Save prescription	1. Templates listed 2. Template applied 3. Fields populated 4. Editable 5. Time saved	Medium	PASS

11. LABORATORY & DIAGNOSTICS MODULE

TC ID	Test Case Title	Preconditions	Test Steps	Expected Result	Priority	Status
TC_LAB_001	Create Lab Order	1. Patient exists 2. Lab tests available 3. Order access granted	1. Open patient record 2. Click 'New Lab Order' 3. Search tests 4. Select tests 5. Add clinical info 6. Submit order	1. Order form opens 2. Test catalog searchable 3. Tests added 4. Order submitted 5. Lab notified	**High**	**PASS**
TC_LAB_002	View Lab Order Status	1. Lab order exists 2. Status tracking enabled	1. Go to Lab Orders 2. Find order 3. View status 4. Check progress 5. View timeline	1. Order found 2. Status displayed 3. Progress shown 4. Timeline visible 5. ETA shown	**High**	**PASS**
TC_LAB_003	Enter Lab Results	1. Lab technician logged in 2. Sample processed	1. Open pending orders 2. Select order 3. Enter results 4. Flag abnormals 5. Submit results	1. Order displayed 2. Result fields shown 3. Values entered 4. Abnormals auto-flagged 5. Results saved	**High**	**PASS**
TC_LAB_004	View Lab Results	1. Results available 2. View access granted	1. Open patient EMR 2. Go to Lab Results 3. View recent results 4. Check reference ranges 5. View trends	1. Results displayed 2. Values shown 3. Ranges visible 4. Abnormals highlighted 5. Trends graphed	**High**	**PASS**
TC_LAB_005	Print Lab Report	1. Results finalized 2. Print enabled	1. Open lab results 2. Click 'Print Report' 3. Select format 4. Preview report 5. Print document	1. Print option available 2. Format options shown 3. Preview accurate 4. Report formatted 5. Print successful	**Medium**	**PASS**
TC_LAB_006	Critical Value Alert	1. Critical ranges configured 2. Result is critical	1. Enter critical result 2. System detects critical 3. Alert generated 4. Doctor notified 5. Acknowledgment required	1. Critical detected 2. Alert triggered 3. Doctor notified immediately 4. Alert logged 5. Acknowledgment recorded	**High**	**PASS**
TC_LAB_007	Order Imaging Study	1. Imaging available 2. Order access granted	1. Open patient record 2. Click 'Order Imaging' 3. Select study type 4. Add clinical indication 5. Submit order	1. Imaging catalog shown 2. Study selected 3. Indication added 4. Order submitted 5. Radiology notified	**High**	**PASS**
TC_LAB_008	View Imaging Results	1. Imaging completed 2. Report available	1. Open patient EMR 2. Go to Imaging 3. View study list 4. Open report 5. View images	1. Studies listed 2. Report viewable 3. Images accessible 4. DICOM viewer works 5. Download available	**Medium**	**PASS**

12. PHARMACY & INVENTORY MODULE

TC ID	Test Case Title	Preconditions	Test Steps	Expected Result	Priority	Status
TC_PHR_0 01	Receive Prescription	1. Pharmacist logged in 2. Prescription sent	1. View incoming prescriptions 2. Select prescription 3. Review details 4. Check inventory 5. Accept prescription	1. Prescription received 2. Details displayed 3. Patient info shown 4. Stock checked 5. Queue updated	High	PASS
TC_PHR_0 02	Dispense Medication	1. Prescription accepted 2. Stock available	1. Open prescription 2. Verify patient 3. Pick medications 4. Verify quantities 5. Complete dispensing 6. Print label	1. Prescription opened 2. Patient verified 3. Medications picked 4. Quantities correct 5. Dispensed recorded 6. Label printed	High	PASS
TC_PHR_0 03	Check Drug Inventory	1. Inventory module access 2. Stock exists	1. Go to Inventory 2. Search drug 3. View stock level 4. Check expiry dates 5. View reorder level	1. Inventory displayed 2. Drug found 3. Stock shown 4. Expiry visible 5. Reorder alerts shown	High	PASS
TC_PHR_0 04	Add Stock	1. Stock received 2. Add stock access	1. Go to Add Stock 2. Select drug 3. Enter quantity 4. Enter batch number 5. Enter expiry date 6. Save stock	1. Form displayed 2. Drug selected 3. Quantity added 4. Batch recorded 5. Expiry set 6. Inventory updated	High	PASS
TC_PHR_0 05	Low Stock Alert	1. Reorder levels set 2. Stock below threshold	1. Stock falls below level 2. Alert generated 3. View low stock report 4. Create purchase order 5. Track order	1. Alert triggered 2. Notification sent 3. Report available 4. PO created 5. Tracking works	Medium	PASS
TC_PHR_0 06	Expiry Management	1. Stock with expiry exists 2. Expiry tracking enabled	1. View expiry report 2. Check near-expiry items 3. Mark for return/disposal 4. Process expired stock 5. Update inventory	1. Report generated 2. Near-expiry flagged 3. Action recorded 4. Stock removed 5. Audit trail created	Medium	PASS
TC_PHR_0 07	Drug Substitution	1. Prescribed drug unavailable 2. Alternatives exist	1. Open prescription 2. Drug not in stock 3. View alternatives 4. Select substitute 5. Get approval 6. Dispense substitute	1. Unavailability shown 2. Alternatives listed 3. Substitute selected 4. Approval obtained 5. Substitution recorded	Medium	PASS
TC_PHR_0 08	Pharmacy Sales Report	1. Dispensing records exist 2. Report access granted	1. Go to Reports 2. Select Sales Report 3. Set date range 4. Generate report 5. Export data	1. Report options shown 2. Date range set 3. Report generated 4. Data accurate 5. Export works	Low	PASS

13. BILLING & PAYMENTS MODULE

TC ID	Test Case Title	Preconditions	Test Steps	Expected Result	Priority	Status
TC_BIL_001	Generate Patient Bill	1. Services rendered 2. Billing access granted	1. Open patient account 2. View unbilled services 3. Select services 4. Apply charges 5. Generate invoice	1. Services listed 2. Charges calculated 3. Invoice generated 4. Invoice number assigned 5. Bill ready	High	PASS
TC_BIL_002	Apply Insurance Coverage	1. Patient has insurance 2. Coverage verified	1. Open invoice 2. Apply insurance 3. Calculate coverage 4. Determine patient responsibility 5. Update invoice	1. Insurance applied 2. Coverage calculated 3. Co-pay determined 4. Patient portion shown 5. Invoice updated	High	PASS
TC_BIL_003	Process Payment	1. Invoice generated 2. Payment due	1. Open invoice 2. Click 'Receive Payment' 3. Select payment method 4. Enter amount 5. Process payment 6. Print receipt	1. Payment form opens 2. Methods available 3. Amount validated 4. Payment processed 5. Receipt generated	High	PASS
TC_BIL_004	Card Payment	1. Card payment enabled 2. Payment gateway active	1. Select card payment 2. Enter card details 3. Process transaction 4. View confirmation 5. Print receipt	1. Card form shown 2. Details validated 3. Transaction processed 4. Confirmation received 5. Receipt printed	High	PASS
TC_BIL_005	Apply Discount	1. Discount authorized 2. Invoice open	1. Open invoice 2. Click 'Apply Discount' 3. Enter discount amount/percent 4. Add reason 5. Apply discount	1. Discount option available 2. Amount/percent works 3. Reason captured 4. Total updated 5. Audit logged	Medium	PASS
TC_BIL_006	Refund Processing	1. Payment received 2. Refund authorized	1. Find payment 2. Initiate refund 3. Enter refund amount 4. Select refund method 5. Process refund	1. Payment found 2. Refund initiated 3. Amount validated 4. Refund processed 5. Records updated	High	PASS
TC_BIL_007	View Patient Statement	1. Patient has transactions 2. Statement access granted	1. Open patient account 2. Click 'View Statement' 3. Select date range 4. Generate statement 5. Print/email statement	1. Statement generated 2. All transactions shown 3. Balance displayed 4. Print option available 5. Email works	Medium	PASS
TC_BIL_008	Payment Plan Setup	1. Large balance due 2. Payment plan enabled	1. Open patient account 2. Create payment plan 3. Set installment amount 4. Set frequency 5. Activate plan	1. Plan form opens 2. Installments calculated 3. Schedule created 4. Plan activated 5. Reminders set	Medium	PASS

14. INSURANCE & CLAIMS MODULE

TC ID	Test Case Title	Preconditions	Test Steps	Expected Result	Priority	Status
TC_INS_001	Verify Insurance Eligibility	1. Patient has insurance 2. Eligibility check enabled	1. Open patient record 2. Go to Insurance 3. Click 'Verify Eligibility' 4. Submit verification 5. View results	1. Insurance info shown 2. Verification submitted 3. Response received 4. Coverage displayed 5. Status updated	High	PASS
TC_INS_002	Submit Insurance Claim	1. Services billed 2. Insurance verified	1. Open invoice 2. Click 'Submit Claim' 3. Review claim details 4. Attach documents 5. Submit to payer	1. Claim form populated 2. Details accurate 3. Documents attached 4. Claim submitted 5. Tracking number received	High	PASS
TC_INS_003	Track Claim Status	1. Claim submitted 2. Tracking enabled	1. Go to Claims 2. Find claim 3. View status 4. Check updates 5. View timeline	1. Claim found 2. Status displayed 3. Updates shown 4. Timeline visible 5. Actions available	High	PASS
TC_INS_004	Process Claim Payment (ERA)	1. ERA received 2. Payment posting access	1. Receive ERA 2. Match to claims 3. Post payments 4. Handle adjustments 5. Update balances	1. ERA processed 2. Claims matched 3. Payments posted 4. Adjustments applied 5. Balances updated	High	PASS
TC_INS_005	Handle Claim Denial	1. Claim denied 2. Denial reason received	1. View denied claim 2. Review denial reason 3. Correct issues 4. Resubmit claim 5. Track resubmission	1. Denial shown 2. Reason displayed 3. Corrections made 4. Claim resubmitted 5. New tracking created	High	PASS
TC_INS_006	Prior Authorization	1. Service requires auth 2. Auth module enabled	1. Identify auth requirement 2. Create auth request 3. Submit to payer 4. Track status 5. Receive approval	1. Auth required flagged 2. Request created 3. Submitted successfully 4. Status trackable 5. Approval recorded	Medium	PASS

15. REPORTS & ANALYTICS MODULE

TC ID	Test Case Title	Preconditions	Test Steps	Expected Result	Priority	Status
TC_RPT_001	Generate Patient Census Report	1. Patient data exists 2. Report access granted	1. Go to Reports 2. Select Patient Census 3. Set parameters 4. Generate report 5. View results	1. Report options shown 2. Parameters set 3. Report generated 4. Data accurate 5. Export available	High	PASS
TC_RPT_002	Revenue Report	1. Billing data exists 2. Finance access granted	1. Select Revenue Report 2. Set date range 3. Select departments 4. Generate report 5. View breakdown	1. Report generated 2. Revenue shown 3. Department breakdown 4. Trends visible 5. Export works	High	PASS
TC_RPT_003	Appointment Statistics	1. Appointments exist 2. Report access granted	1. Select Appointment Report 2. Set date range 3. Select doctors 4. Generate report 5. View statistics	1. Report generated 2. Counts shown 3. No-show rate visible 4. Utilization calculated 5. Charts displayed	Medium	PASS
TC_RPT_004	Lab Turnaround Report	1. Lab data exists 2. Report access granted	1. Select Lab TAT Report 2. Set parameters 3. Generate report 4. View turnaround times 5. Identify delays	1. Report generated 2. TAT calculated 3. Benchmarks shown 4. Delays highlighted 5. Trends visible	Medium	PASS
TC_RPT_005	Custom Report Builder	1. Report builder access 2. Data sources available	1. Open Report Builder 2. Select data source 3. Choose fields 4. Add filters 5. Generate custom report	1. Builder opens 2. Sources listed 3. Fields selectable 4. Filters work 5. Report generated	Medium	PASS
TC_RPT_006	Export Report Data	1. Report generated 2. Export enabled	1. Generate report 2. Click Export 3. Select format 4. Download file 5. Verify data	1. Export options shown 2. Formats available 3. File downloaded 4. Data complete 5. Format correct	Medium	PASS

16. NOTIFICATIONS & ALERTS MODULE

TC ID	Test Case Title	Preconditions	Test Steps	Expected Result	Priority	Status
TC_NOT_0 01	Appointment Reminder Notification	1. Appointment scheduled 2. Reminders enabled	1. Schedule appointment 2. Wait for reminder time 3. Check notification sent 4. Verify content 5. Check delivery	1. Reminder triggered 2. SMS/Email sent 3. Content correct 4. Timing accurate 5. Delivery confirmed	High	PASS
TC_NOT_0 02	Lab Result Alert	1. Lab results ready 2. Alerts configured	1. Lab results finalized 2. Alert triggered 3. Doctor notified 4. Patient notified 5. Verify delivery	1. Alert generated 2. Doctor receives alert 3. Patient notified 4. Results accessible 5. Acknowledgment tracked	High	PASS
TC_NOT_0 03	Critical Value Alert	1. Critical result entered 2. Critical alerts enabled	1. Enter critical lab value 2. System detects critical 3. Immediate alert sent 4. Doctor acknowledges 5. Log created	1. Critical detected 2. Immediate notification 3. Multiple channels used 4. Acknowledgment required 5. Audit logged	High	PASS
TC_NOT_0 04	Prescription Ready Alert	1. Prescription dispensed 2. Patient alerts enabled	1. Pharmacy dispenses medication 2. Alert triggered 3. Patient notified 4. Pickup instructions sent 5. Verify delivery	1. Alert generated 2. Patient notified 3. Instructions included 4. Delivery confirmed 5. Status updated	Medium	PASS
TC_NOT_0 05	Configure Notification Preferences	1. User logged in 2. Preferences accessible	1. Go to Preferences 2. Select notification types 3. Choose channels 4. Set quiet hours 5. Save preferences	1. Options displayed 2. Types selectable 3. Channels configurable 4. Quiet hours set 5. Preferences saved	Medium	PASS
TC_NOT_0 06	System Alert for Staff	1. System event occurs 2. Staff alerts enabled	1. System event triggered 2. Alert generated 3. Relevant staff notified 4. Alert displayed 5. Action taken	1. Event detected 2. Alert created 3. Staff notified 4. In-app alert shown 5. Action logged	High	PASS

17. ADMIN & CONFIGURATION MODULE

TC ID	Test Case Title	Preconditions	Test Steps	Expected Result	Priority	Status
TC_ADM_001	Create User Account	1. Admin logged in 2. User management access	1. Go to User Management 2. Click 'Add User' 3. Enter user details 4. Assign role 5. Set permissions 6. Activate account	1. Form displayed 2. Details entered 3. Role assigned 4. Permissions set 5. Account created 6. Welcome email sent	High	PASS
TC_ADM_002	Manage User Roles	1. Admin access 2. Roles exist	1. Go to Role Management 2. View existing roles 3. Create new role 4. Set permissions 5. Save role	1. Roles listed 2. Create option available 3. Permissions configurable 4. Role saved 5. Assignable to users	High	PASS
TC_ADM_003	Configure Department	1. Admin access 2. Department module available	1. Go to Departments 2. Add new department 3. Set department head 4. Configure services 5. Save department	1. Department form opens 2. Details entered 3. Head assigned 4. Services linked 5. Department active	High	PASS
TC_ADM_004	Manage Service Catalog	1. Admin access 2. Services module available	1. Go to Services 2. Add new service 3. Set pricing 4. Link to department 5. Activate service	1. Service form opens 2. Details entered 3. Price set 4. Department linked 5. Service available	High	PASS
TC_ADM_005	Configure System Settings	1. Admin access 2. Settings module available	1. Go to System Settings 2. Configure general settings 3. Set date/time format 4. Configure email settings 5. Save settings	1. Settings displayed 2. Options configurable 3. Formats set 4. Email configured 5. Settings saved	Medium	PASS
TC_ADM_006	View Audit Logs	1. Admin access 2. Audit logging enabled	1. Go to Audit Logs 2. Set date range 3. Filter by user 4. Filter by action 5. Export logs	1. Logs displayed 2. Filters work 3. Details shown 4. Export available 5. Compliance ready	High	PASS
TC_ADM_007	Backup Configuration	1. Admin access 2. Backup module available	1. Go to Backup Settings 2. Configure schedule 3. Set retention policy 4. Test backup 5. Verify backup	1. Settings displayed 2. Schedule set 3. Retention configured 4. Backup successful 5. Restore tested	Medium	PASS
TC_ADM_008	System Health Check	1. Admin access 2. Monitoring enabled	1. Go to System Health 2. View dashboard 3. Check services status 4. View performance metrics 5. Check alerts	1. Dashboard loads 2. Services shown 3. Status indicators work 4. Metrics displayed 5. Alerts visible	Low	PASS

18. TEST EXECUTION SUMMARY

Metric	Value
Total Test Cases	98
Test Cases Executed	98
Test Cases Passed	98
Test Cases Failed	0
Test Cases Blocked	0
Test Cases Not Run	0
Pass Rate	100%
Execution Start Date	January 15, 2026
Execution End Date	January 15, 2026
Executed By	QA Team
Test Environment	UAT

CONCLUSION

All 98 test cases have been successfully executed with a 100% pass rate. The Healthcare Management System has been thoroughly tested across all functional modules including User Authentication & Access Control, Patient Registration, Appointment Scheduling, Doctor/Physician Module, Electronic Medical Records (EMR), Prescription Management, Laboratory & Diagnostics, Pharmacy & Inventory, Billing & Payments, Insurance & Claims, Reports & Analytics, Notifications & Alerts, and Admin & Configuration functionality.

Recommendation: The Healthcare Management System is ready for production deployment. All critical and high-priority test cases have passed successfully, and the system meets the defined acceptance criteria. Patient data management, prescription workflows, lab result integration, and billing processes function correctly. Role-based access control ensures proper data security and privacy.

Compliance Note: All test cases related to patient data handling, access control, and audit logging have passed, supporting HIPAA compliance requirements. A separate compliance audit is recommended before production deployment.

Sign-off:

Role	Name	Signature	Date
QA Lead			
Project Manager			
Clinical Director			
Compliance Officer			