

# **Manual Test Case Report**

## ***Healthcare Management System***

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### **1. Introduction**

A **Healthcare Management System** helps hospitals and clinics manage **patient records, appointments, doctor schedules, prescriptions, and billing**.

This report covers the **manual testing** of major functionalities to ensure accuracy, security, and smooth patient experience.

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### **2. Objectives of Testing**

- Verify patient registration
  - Validate appointment booking
  - Check doctor & prescription modules
  - Ensure secure login
  - Identify system defects
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### **3. Scope of Testing**

Modules tested:

1. User Login
2. Patient Registration
3. Appointment Booking
4. Doctor Management
5. Prescription
6. Billing
7. Logout

#### 4. Test Environment

Item	Details
Application	Healthcare Web App
Browser	Google Chrome
OS	Windows 10
Testing Type	Manual Testing
Tester	Subrat Gupta
Test Data	Dummy patient data

#### 5. Test Case Format

Field	Description
Test Case ID	Unique ID
Module	Functional Area
Scenario	What to test
Steps	Actions
Test Data	Input
Expected Result	Expected Output
Actual Result	System Output
Status	Pass/Fail
Priority	High/Medium/Low

#### 6. Test Cases

##### TC\_01 – Valid Login

Field	Description
Test Case ID	TC_LOGIN_01
Module	Login
Test Scenario	Login with valid credentials
Precondition	User is registered

<i>Test Steps</i>	1. Open login page 2. Enter valid username & password 3. Click Login
<i>Test Data</i>	admin@hospital.com / pass123
<i>Expected Result</i>	User redirected to dashboard
<i>Actual Result</i>	Login successful
<i>Status</i>	Pass
<i>Priority</i>	High

### TC\_02 – Invalid Login

<b>Field</b>	<b>Description</b>
<i>Test Case ID</i>	TC_LOGIN_02
<i>Module</i>	Login
<i>Test Scenario</i>	Login with wrong password
<i>Precondition</i>	User is registered
<i>Test Steps</i>	Enter valid username, wrong password
<i>Test Data</i>	admin@hospital.com / wrong123
<i>Expected Result</i>	Error message displayed
<i>Actual Result</i>	Error shown
<i>Status</i>	Pass
<i>Priority</i>	High

### TC\_03 – Register New Patient

<b>Field</b>	<b>Description</b>
<i>Test Case ID</i>	TC_PAT_01
<i>Module</i>	Patient Registration
<i>Test Scenario</i>	Add new patient
<i>Precondition</i>	User logged in
<i>Test Steps</i>	Fill patient form, click Save
<i>Test Data</i>	Name: Ramesh, Age: 45

<i>Expected Result</i>	Patient added successfully
<i>Actual Result</i>	Patient added
<i>Status</i>	Pass
<i>Priority</i>	High

#### TC\_04 – Book Appointment

<i>Field</i>	<i>Description</i>
<i>Test Case ID</i>	TC_APP_01
<i>Module</i>	Appointment
<i>Test Scenario</i>	Book doctor appointment
<i>Precondition</i>	Patient exists
<i>Test Steps</i>	Select doctor, date, click Book
<i>Test Data</i>	Dr. Sharma
<i>Expected Result</i>	Appointment confirmed
<i>Actual Result</i>	Appointment booked
<i>Status</i>	Pass
<i>Priority</i>	High

#### TC\_05 – Add Prescription

<i>Field</i>	<i>Description</i>
<i>Test Case ID</i>	TC_PRES_01
<i>Module</i>	Prescription
<i>Test Scenario</i>	Add patient prescription
<i>Precondition</i>	Appointment exists
<i>Test Steps</i>	Enter medicines, click Save
<i>Test Data</i>	Paracetamol
<i>Expected Result</i>	Prescription saved
<i>Actual Result</i>	Saved successfully
<i>Status</i>	Pass

<i>Priority</i>	High
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### TC\_06 – Generate Bill

<b>Field</b>	<b>Description</b>
<i>Test Case ID</i>	TC_BILL_01
<i>Module</i>	Billing
<i>Test Scenario</i>	Generate patient bill
<i>Precondition</i>	Treatment completed
<i>Test Steps</i>	Click Generate Bill
<i>Test Data</i>	₹1500
<i>Expected Result</i>	Bill generated
<i>Actual Result</i>	Bill created
<i>Status</i>	Pass
<i>Priority</i>	Medium

### TC\_07 – View Patient Records

<b>Field</b>	<b>Description</b>
<i>Test Case ID</i>	TC_REC_01
<i>Module</i>	Records
<i>Test Scenario</i>	View patient details
<i>Precondition</i>	Patient exists
<i>Test Steps</i>	Search patient
<i>Test Data</i>	Patient ID: 101
<i>Expected Result</i>	Records displayed
<i>Actual Result</i>	Records shown
<i>Status</i>	Pass
<i>Priority</i>	Medium

### TC\_08 – Logout

<b>Field</b>	<b>Description</b>
<i>Test Case ID</i>	TC_LOGOUT_01
<i>Module</i>	Logout
<i>Test Scenario</i>	Logout from system
<i>Precondition</i>	User logged in
<i>Test Steps</i>	Click Logout
<i>Test Data</i>	N/A
<i>Expected Result</i>	Redirect to login page
<i>Actual Result</i>	Redirected
<i>Status</i>	Pass
<i>Priority</i>	Low

## 7. Defect Report

<b>Defect ID</b>	<b>Module</b>	<b>Description</b>	<b>Severity</b>
D_01	Appointment	Date selection not working	High
D_02	Billing	Incorrect tax calculation	Medium

## 8. Test Summary

<b>Total</b>	<b>Passed</b>	<b>Failed</b>
8	6	2

## 9. Conclusion

The Healthcare System performs well in managing patients, appointments, and billing. However, improvements are required in:

- Appointment scheduling
- Billing accuracy
- Input validation

## **10. Tester Details**

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**Role:** Automation with Selenium

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