# Test Cases for HealthCare Invoicing and Patient Management System

The following document outlines the test cases designed to validate the functionality of the HealthCare Invoicing and Patient Management System. Each test corresponds to a specific use case from the system.

## Test Case TC001

Use Case: Register Patient

Description: Ensure receptionist can register a new patient

Input: Name = "John Smith", DOB = "12/04/1995", Phone = "0891234567"

## Test Case TC002

Use Case: Schedule Appointment

Description: Receptionist books appointment for registered patient

Input: Patient ID = 0001, Doctor = "Dr. Lee", Date = "20/04/2025"

## Test Case TC003

Use Case: File Insurance Claims

Description: Receptionist submits insurance documentation

Input: Patient ID = 0001, Insurance Document = "insurance\_form\_0001.pdf"

## Test Case TC004

Use Case: File Medical Reports

Description: Receptionist uploads medical reports for a patient

Input: Patient ID = 0001, Report = "blood\_test\_result.pdf"

## Test Case TC005

Use Case: Add Consultation Notes

Description: Doctor adds notes after patient consultation

Input: Patient ID = 0001, Notes = "Fever, prescribed paracetamol"

## Test Case TC006

Use Case: View Patient History

Description: Doctor reviews a patient’s past visits and notes

Input: Patient ID = 0001

## Test Case TC007

Use Case: Generate Invoice

Description: Billing staff creates an invoice from consultation data

Input: Patient ID = 0001, Services = "Consultation"

## Test Case TC008

Use Case: Process Payment

Description: Billing staff records payment received from patient

Input: Invoice ID = INV0001, Payment Type = "Credit Card"

## Test Case TC009

Use Case: View Invoice & History

Description: Patient views invoice details and payment history

Input: Patient ID = 0001

## Test Case TC010

Use Case: Register Duplicate Patient (Error Case)

Description: Attempt to register an existing patient again

Input: Name = "John Smith", DOB = "12/04/1995", Phone = "0891234567"