Functional & Performance Testing Template

Model Performance Test

Date	21 February 2025
Team ID	LTVIP2026TMIDS81521
Project Name	SmartDoc Appointment System
Maximum Marks	

Test Scenarios & Results

Test Case ID	Scenario (What to test)	Test Steps	Expected Result	Actual Result	Pass/Fail
FT-01	User Registration Validation	Enter valid & invalid email/password	Valid data creates account, invalid shows error	Works as expected	Pass
FT-02	Login Authentication	Enter correct & incorrect credentials	Correct login redirects to dashboard, wrong shows error	Works correctly	Pass
FT-03	Doctor Registration	Register doctor with specialization	Doctor profile created pending admin approval	Works correctly	Pass
FT-04	Admin Approval	Admin approves doctor	Doctor status updates to approved	Works correctly	Pass
FT-05	Search Doctor	Search by specialization	Relevant doctors displayed	Accurate results	Pass
FT-06	Book Appointment	Select doctor & time slot	Appointment stored in database	Booking successful	Pass
FT-07	Cancel Appointment	Cancel booked appointment	Status changes to cancelled	Updated correctly	Pass
FT-08	Reschedule Appointment	Change appointment time	Appointment updated with new time	Updated correctly	Pass
FT-09	Dashboard View	Open Patient/Doctor/Admin dashboard	Correct data displayed	Displays correctly	Pass

FT-10	Email Notification	Book appointment	Confirmation email sent	Email received	Pass

◈ Performance Testing

Test Case ID	Scenario	Test Steps	Expected Result	Actual Result	Pass/Fail
PT-01	Response Time Test	Measure API response time during booking	Response under 3 seconds	~2.1 seconds	Pass
PT-02	Concurrent Users Test	Simulate 20 users booking simultaneously	No crash, stable performance	System stable	Pass
PT-03	Database Load Test	Insert 1000 appointment records	No data loss, proper storage	Stored correctly	Pass
PT-04	Login Stress Test	Multiple login attempts	System handles without delay	Stable	Pass