

ID	Test Case Description	Expected Result	Actual Result	Pass/Fail
US-11-TC01	Verify that diagnosis reports can be downloaded as a PDF.	PDF download prompt appears; file contains patient info, diagnosis image, diagnosis results, and date.	Diagnosis PDF downloads successfully with all required information.	Pass
US-12-TC01	Measure image processing time across multiple inputs.	Images processed in under 2 seconds for at least 10 different test inputs.	All images processed under 2 seconds during testing.	Pass
US-13-TC01	Verify that users have assigned roles (doctor, patient, admin) upon login or registration.	Role is correctly assigned and stored in the system.	User roles assigned correctly upon registration and login.	Pass
US-13-TC02	Verify role-based dashboard visibility.	Doctor sees doctor dashboard, patient sees patient dashboard, admin sees admin dashboard.	Appropriate dashboards displayed based on user role.	Pass
US-13-TC03	Attempt unauthorized access (e.g., patient tries to access admin features).	Access is denied with proper error/message.	Unauthorized access attempts were blocked with proper error messages.	Pass
US-14-TC01	Validate AI model accuracy on validation set.	Accuracy $\geq 90\%$ achieved, documented, and verified.	Model achieved 91% accuracy during validation testing.	Pass
TS-05-TC01	Trigger a backend error and check if it is logged properly.	Error is recorded in the system logs without crashing the app.	Backend errors logged successfully without system crash.	Pass
TS-05-TC02	Trigger a frontend error and ensure it is logged appropriately.	Frontend error captured and stored/logged without application crash.	Frontend errors captured and logged correctly.	Pass
TS-05-TC03	Simulate a critical failure and verify system stability and notification/logging behavior.	Critical error is caught gracefully; admin notified, or issue stored for debugging without crashing the entire system.	Critical failures handled smoothly and logged for admin review.	Pass