

ID	Test Case Description	Expected Result	Actual Result	Pass/Fail
US-06-TC01	Verify that a user can upload an image via the interface	User selects an image file, clicks upload, and the image is successfully stored in the database with a preview displayed.	Image uploaded and stored in the database; preview displayed correctly.	Pass
US-03-TC01	Verify image preview displays correctly after upload	After selecting an image, a preview of the image appears on the interface before submission.	Preview of the selected image appeared correctly on the interface.	Pass
US-07-TC01	Verify that an uploaded lung X-ray is analyzed by the AI model	User uploads a lung X-ray, and the system returns a classification (e.g., "Normal" or "Pneumonia").	Lung X-ray uploaded; system returned "Normal" classification.	Pass
US-07-TC02	Verify that an uploaded brain MRI is analyzed by the AI model	User uploads a brain MRI, and the system returns a classification (e.g., "Normal" or "Tumor").	Brain MRI uploaded; system returned "Normal" classification.	Pass
US-08-TC01	Verify that mock diagnosis results are displayed clearly on the frontend	After analysis, the diagnosis (e.g., "Normal" or "Disease Detected") is shown in a readable format on the UI.	Diagnosis "Normal" displayed clearly in a readable format on the UI.	Pass
US-09-TC01	Verify that diagnosis results are stored in the database	After analysis, the diagnosis and image metadata are retrievable from the database.	Diagnosis and metadata stored and retrievable from the database.	Pass
US-10-TC01	Verify that a user can sign up for an account	User enters valid credentials (e.g., email, password), submits, and receives a success message; account is created.	User signed up with valid credentials; success message received.	Pass
US-10-TC02	Verify that a user can log in with valid credentials	User enters correct email/password, clicks login, and is redirected to their dashboard with past diagnoses.	User logged in and redirected to dashboard; past diagnoses visible.	Pass
US-10-TC03	Verify that a user cannot log in with invalid credentials	User enters incorrect email/password, clicks login, and receives an error message (e.g., "Invalid credentials").	Login failed with incorrect credentials; "Invalid credentials" error shown.	Pass
US-10-TC04	Verify that past diagnoses are accessible after login	After logging in, the user sees a list of previously stored diagnoses linked to their account.	User logged in; list of past diagnoses displayed correctly.	Pass
US-05-TC01	Verify static results page UI styling is correct	The static results page displays with proper alignment, fonts, and colors as per design specs.	Static results page displayed with correct alignment, fonts, and colors.	Pass
TS-03-TC01	Verify backend API accepts and processes an image upload	Developer sends a POST request with an image to the API, and the API returns a 200 status with analysis results.	API returned 200 status with analysis results for the uploaded image.	Pass
TS-04-TC01	Verify frontend sends image data to backend API successfully	User uploads an image via the frontend, and the backend API receives and processes it without errors.	Frontend sent image data; backend processed it without errors.	Pass
US-06-TC02	Verify end-to-end flow: upload, analysis, and display	User uploads an image, the backend processes it, and the frontend displays the diagnosis seamlessly.	Image uploaded, processed by backend, and diagnosis displayed seamlessly.	Pass