Manual Testing for Android Application Interface:

Test 1:

Install the App in an android Tablet or Smartphone. An App with Name of Nepal Ultrasound should be visible in the applications area of the device. Launch the App by tapping on it.

Expected Result: App will launch and a login Screen with two text fields should be visible to the tester.

Test 2:   Input Condition:

- Login Screen is visible with username and password text fields. Type a registered username (foobar)

- Enter Password as "password".

Tap on login.

Expected Result: Screen should now switch to a walkthroughscreen with an ultrasound sample image being displayed on top and a walkthrough video of taking ultrasound being played in the bottom.

Test 3:

Tap Next on Walkthrough Screen when you're done looking at the tutorial video.

Expected Result: Single Screen with launch interface button should be visible.

Test 4:

Tap Launch Interface Button.

Expected Result: A menu system screen should show up with a Welcome Message on top left corner indicating the user name the tester entered at login screen else says 'Welcome User'. Buttons to add/access/clear patient records should be visible.

Test 5:

Tap on "Add Patient Record".

Expected Result1: Camera should pop---up. Test resume: Click the picture of the patient's ultrasound. Can retake the photo if not satisfied. Once satisfied tap on ok/tick ---mark. **Expected Result**2: A form displaying patient's ultrasound pictureon top with empty information fields like Name, Age... #continue with Test 6 from here.

Test6:

Input Condition: Enter Sensible Patient Information.

below.

Fill in the information about the patient. Tap on Finish. **Expected Result**: A visual feedback displaying "uploading data" shouldpop---up followed by a message of successful/unsuccessful data positing to database server.

Test 7:

Press back button of android twice to go to menu screen back.

Tap on "Access Patient Record".

Expected Result: The Patient Name entered previously by the tester, should be visible on screen as a button.

Test8:

Repeat Test4. Then Tap on "Access Patient Record" on menu screen. **Expected Result**: A list of buttons should be visible with patient's name as text on the button.

Test9:

Tap on "Access Patient Record" on menu screen. Tap on a Patient name displayed in list.

Expected Result: A new screen displaying patient's basic information and list of records should be visible. Each Record In the list must be displaying their response status with timestamp of their post.

Test10:

Following from Test 9.

Tap on a Record on Screen.

Expected Result: A pop up dialog displaying information sent with that record and radiologist response should be visible.

Tap on Display Annotated image button on dialog.

Expected Result: A new Screen displaying image associated with that record should be visible.

Test11:

Repeat Test 5.

Try to add a patient record with same existing ID.

Add Patient Details.

Tap on Finish.

Expected Result: An error message "Patient with same ID already exists." Should be displayed.

Test 12:

Tap on "Clear Patient Record" on menu screen.

Expected Result: a message indicating "Patient data cleared" should be visible for 2--3 seconds. Test resume: Tap on "Access Patient Record".

Expected Result : No Patient name should be visible and list should be empty.