**Worked on by:** Ayesha, Aiza, and Saffa.

**User Story 1: A radiologist examines reports from chest X-rays**

**Narrative:**

As a radiologist,

I will use AI to upload and examine chest X-ray pictures in order to promptly identify abnormalities and offer precise diagnoses.

**Acceptance Criteria:**

**First Scenario:**

AI-Powered Image Interpretation

Given that a radiologist logs onto the web application

And uploads a chest X-ray image for examination,

Then the AI should process the image, identify any possible anomalies,

And present the findings along with confidence scores and explanations.

**User Story 2: Patient Accesses Their Digital X-ray Report**

**Narrative:**

As a patient,

I want to access my X-ray results online,

So that I can review my diagnosis and consult a doctor when needed.

**Acceptance Criteria:**

**Scenario 1:**

Retrieving Diagnostic Reports

After undergoing an X-ray examination,

And once the radiologist has uploaded the diagnostic report,

When the patient logs into the online system,

Then they should be able to securely view their X-ray images and related medical findings,

And have the option to download or share the report with their doctor if needed.

**User Story 3: The doctor evaluates the patient's X-ray and makes recommendations.**

**Narrative:**

As a Doctor,

I aim to use AI to analyze my patients' X-ray results and provide relevant treatment options.

**Acceptance criteria:**

**Scenario 1:**

The doctor reviews and adds notes,

Given a doctor logged onto the web app,

and they have a list of x-ray results,

when a patient's X-ray report is selected,

then they can view AI-generated analysis and image annotations,

And provide their own observation or treatment recommendations.

**User Story 4: Admin Manages User Roles & Access Permissions**

**Narrative:**

As an administrator,

I need the capability to manage user accounts and assign appropriate roles,

So that only authorized personnel can access specific features of the platform.

**Acceptance Criteria:**

**Scenario 1:**

Assigning & Updating User Roles

Given an administrator is logged into the system,

And they need to update a user’s role,

When they select a user and modify their role (e.g., switching from doctor to radiologist),

Then the system should apply the updated permissions,

And send a notification informing the user of their new access level.