BONE.AI

First Review
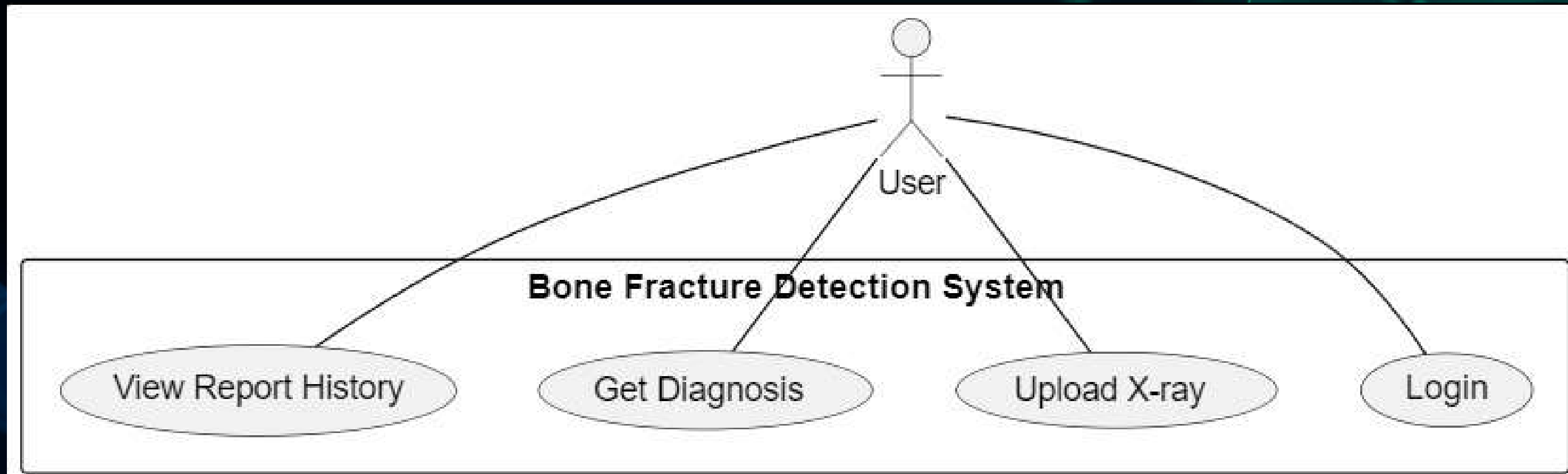Software Engineering
Group 2

REQUIREMENT ELICITATION

Functional Requirement

- The user uploads an X-ray image (JPEG/PNG).
- The system processes the image using a custom ML model.
- Display results: "Fracture detected" or "Fracture detected."
- If a fracture is found, highlight the location (bounding box or heatmap).
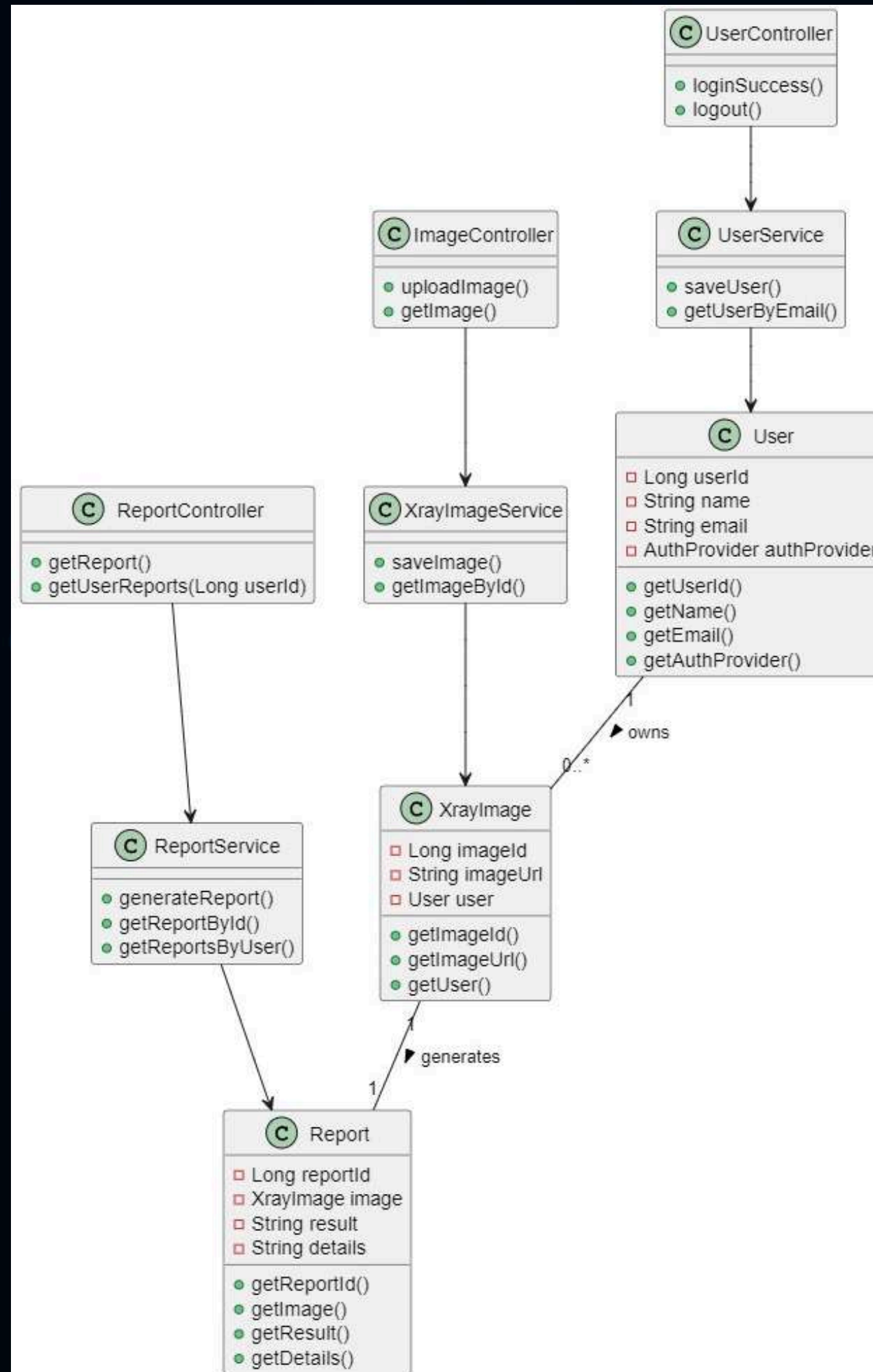- User authentication: Login for patients to see past reports

Non-Functional Requirement

- Performance: Process images and return results within a few seconds.
- Usability: Clean, intuitive UI (React).
- Scalability: Backend (Spring) should handle multiple requests simultaneously.
- Security: Protect uploaded data, prevent unauthorized access.
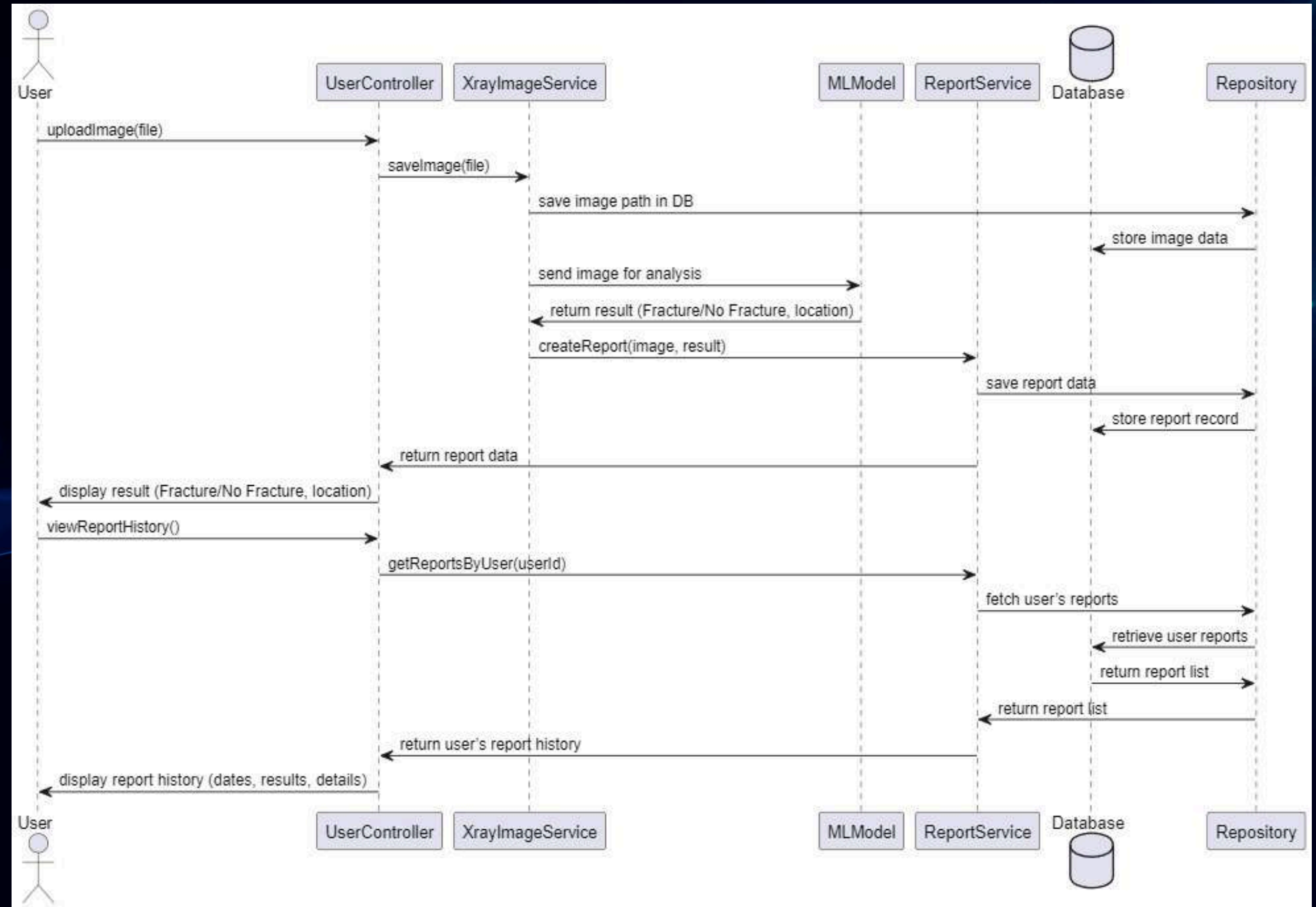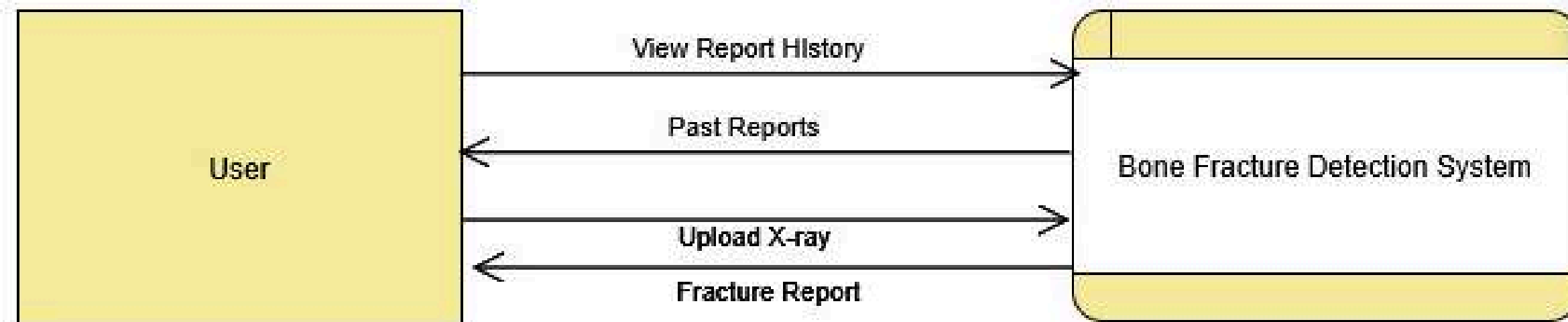- Reliability: Ensure uptime and handle errors
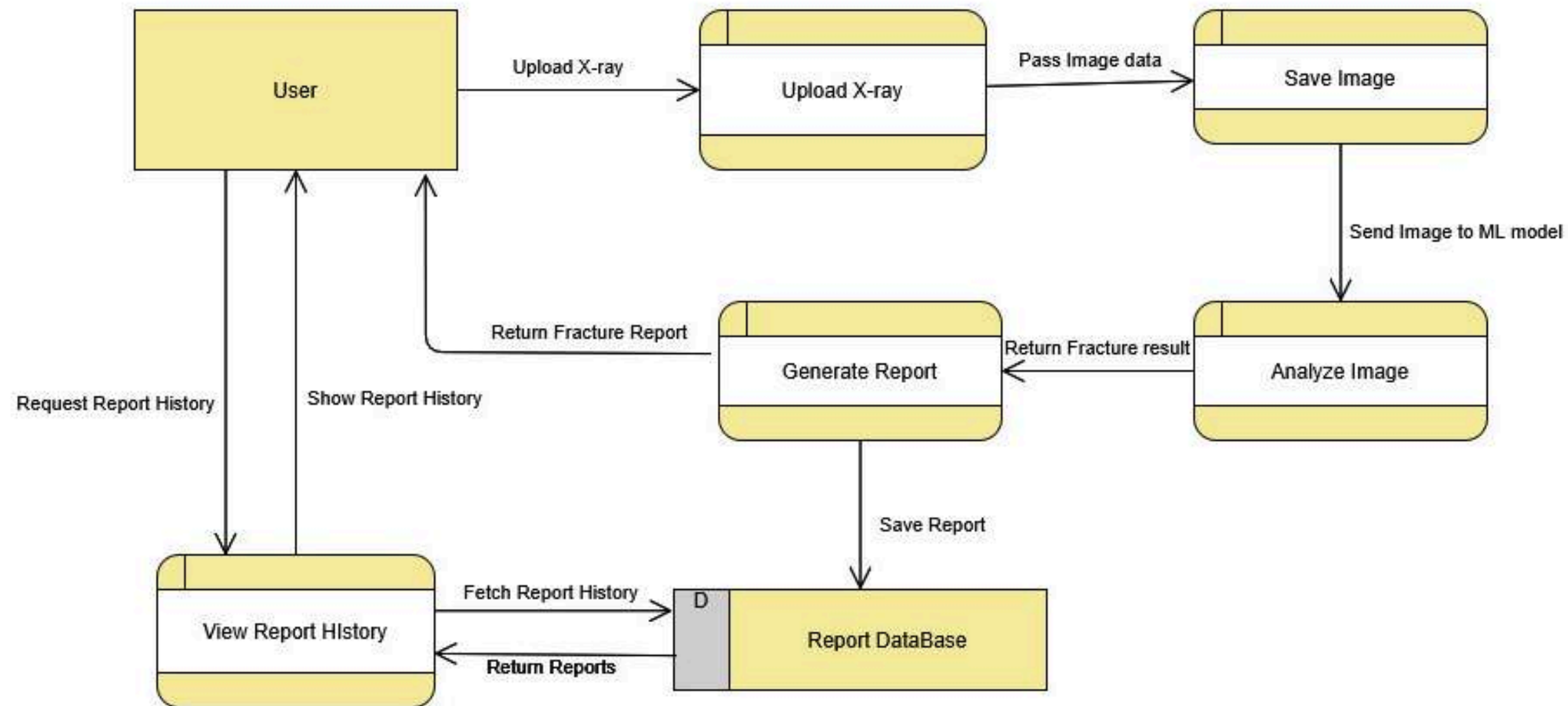
USE CASE

CLASS DIAGRAM

SEQUENCE DIAGRAM

DATAFLOW DIAGRAM

LEVEL 0

DATAFLOW DIAGRAM

LEVEL 1

THANK YOU!

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