Release Planning

User Stories Planned for the Current Sprint

- As a manager, I want an intuitive interface so I can see event logs and information of radiologists and field workers in an organized manner.
- As a radiologist, I want to be able to see a brief medical history of the patient such as whether or not they have had any complications before, age, weight, etc, so that I can make proper treatment decisions.
- As a fieldworker, I need to be able to receive feedback or treatment recommendations for a specific patient from the radiologists so that I can make proper treatment decisions.
- As a fieldworker, I would like to be able to check whether or not the patient is new, so that when uploading images, I can append it to their existing history, keeping the records clean, and to gauge their condition over time.

Justification

As of the previous sprint, we have set up the basic schema of our database, developed a fast and secure means for data transfer, implemented a basic authentication system, and began working on our Android application and URMH client. In this sprint, we aimed to extend the authentication system, and add some functionality to both our Android application and our URMH client.

Our primary focus of this project is to develop a basis for a two-way communication between fieldworkers using the Android application and radiologists using the URMH client. However, this is not an easy feat to accomplish, and so we had to break this objective into two parts, the first which we aim to complete in this sprint, and the second in the upcoming sprint. In this sprint, we intend to establish a one-way communication between the two. In particular, we want to allow fieldworkers to insert data into the database using the application, and allow radiologists to retrieve this information and have it shown on the URMH client, both in a simple, fast, and intuitive manner.

User Stories Planned for the Next Sprint

- As a radiologist, I need to be able to communicate with the field worker, so that any queries, issues or misunderstandings related to patient's diagnosis can be answered quickly.
- As a fieldworker, I need to be able to receive feedback or treatment recommendations for a specific patient from the radiologists so that I can make proper treatment decisions.
- As a manager, I require a way to check if the field worker has received the diagnosis, so that we measure the effectiveness of our system.
- As a radiologist, I want to be able to access and list all the diagnosis done by me, so that I can follow up with the patient's medical condition, if need be.

Justification

As of the second sprint, we have designed the interface for both the Android application and the URMH client, and have added most of the functionality of the Android application, and included basic functionality of the URMH client. In the upcoming sprint, we aim to add the remaining required functionality to both the application and client. This includes enabling communication between the application and the client, and allowing the users to check the status and history of some of the content being communicated.

As mentioned earlier, our primary focus of this project is to develop a basis for a two-way communication between fieldworkers using the Android application and radiologists using the URMH client. We aim to complete this goal by the end of the next sprint. Upon completing the current sprint, we have successfully established a means for the fieldworker to send information to the radiologist, and now, we hope to allow radiologists to respond to this received information, and allow fieldworkers to receive these responses. If we successfully implement this, then we would have finally completed the main objective of our project.