Use Case: View Photos

## Brief Description

The goal of this use case is for an actor to view the photos of the desired microscope’s subject.

# Included Use Cases

N/A

# Preconditions

The actor has been authenticated and authorized.

The raspberry pi is sending and saving photos to the system.

The actor has chosen a specific microscope to view.

# Flow of Events

## Basic Flow – The actor access the view photo page of the system.

1. This use case begins when the actor accesses the view photos page.
2. The system presents photos with tagging (see data requirement).
3. The use case ends.

## Alternative Flows

None

## Exception Flows

E1: The system has no photos in the database

1. This flow begins when the system redirects the actor to the view photos page.
2. The system has no photos in its database hence none are presented on the page.
3. The use case ends.

Basic Flow for 4.1.2: the tagging fields for individual photo is below

|  |  |
| --- | --- |
| **Field Name** | **Notes** |
| Date | present in mm/dd/yyyy format. |
| Time | present in hh:mm AM/PM format. |
| Microscope id | The given name of the microscope when setting up the microscope and raspberry pi hardware. |
| Photo format | photos are saved in .jpeg format |

# Requirements

### Scalability Requirements

1. Multiple actors shall be able to view the same photo at the same time.

### User Interface Requirements

1. The view photos page is accessed through the view live stream of a specific microscope.

### Presentation Requirements

1. The photos are sorted by time.

# Post-conditions

1. The system displays the photos of the microscope subject.
2. The system stays on the view photos page even if there is no content.

# Notes & Open Issues

Q1: How should the pictures be organized?

Q2: How do we store the photos on the system?

Q3: What size do we want the photo resolution to be?

# Out of Scope (Future Functionality)

None