Use Case: View Live Stream

## Brief Description

The goal of this use case is to view the live stream page, which contains a YouTube stream of the desired microscope.

# Included Use Cases

N/A

# Preconditions

Actor is authenticated and authorized.

# Flow of Events

## Basic Flow – The live stream page containing the YouTube stream is launched.

1. This use case begins when the actor selects their microscope from the experiments page.
2. The system loads the page corresponding to the microscope selected.
3. The system presents the YouTube live stream associated with that microscope.
4. The use case ends.

## Alternative Flows

None

## Exception Flows

E1: the raspberry pi is not sending a live stream to YouTube.

1. This flow begins when the raspberry pi is not sending a live stream to YouTube.
2. The actor won’t be able to view the live stream photo hence, no live stream video is shown.
3. The use case ends

# Requirements

### Presentation Requirements

1. The class name and section, experiment and dates available are displayed.
2. The YouTube live stream is visible.

# Post-conditions

1. *The system presents a YouTube live stream of the desired microscope.*

# Notes & Open Issues

# Out of Scope (Future Functionality)

None

# Appendix A – Data Definition for View Scope page

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field Name** | **Description** | **Type** | **Valid Values** | **Required** | **Default** | **Business Rules** |
| Class Name | Class name | Text | N/A | Y | N/A | View only |
| Class Section | The section number of the class | Text | N/A | Y | N/A | View only |
| Experiment Name | The name of the ongoing experiment | Text | N/A | Y | N/A | View only |
| Dates | The dates the microscope is streaming the experiment | Date | N/A | Y | N/A | Present in mm/dd/yyyy format. |