Use Case: Authentication

## Brief Description

The goal of this is to authenticate actor information when logging in. When the actor logs into the website, Authentication Service will validate that the actor name matches the password that was registered. When validated, the actor may access the website and use it according to his/her access. If not validated, the actor cannot access the website

# Included Use Cases

N/A

# Preconditions

User registering for VirtualScope

Users access the VirtualScope Website Login Page

# Flow of Events

## Basic Flow – Authentication Service will validate that the actor name matches the password that was registered.

1. The users registered with username, password and class password.
2. The system determines whether the actor name matches the password that was registered
3. The system approves it and users successfully access the website
4. The use case ends.

## Alternative Flows

None

## Exception Flows

E1: Authentication services determines that the actor username doesn’t match the password that was registered.

1. This flow begins when the authentication determines that the actor username doesn’t match the password that was registered.
2. The system presented an error message saying login failed. Try again.
3. The use case ends.

# Requirements

### Presentation Requirements

1. The initial sort order is ascending order by report name. Allow sort by ascending / descending order for all other fields except action list.

# Post-conditions

1. The system allows you to access the VirtualScope website
2. The system presents YouTube live streaming videos under the microscope and viewing photos of live streaming videos.

# Notes & Open Issues

Q1: What is the limit on history we want to present?

A1: No limit at this time.

Q2: What if the system does not have an authentication service?

A2: System website should have authentication services. If not, treat this as a post condition.

# Out of Scope (Future Functionality)

None

# Appendix A – Data Definition for Report List

| **Username** | **Password** | **Matches?** | **Valid?** |
| --- | --- | --- | --- |
| Text | Text | Yes/No | Yes/No |
| Text | Text | Yes/No | Yes/No |
| Text | Text | Yes/No | Yes/No |