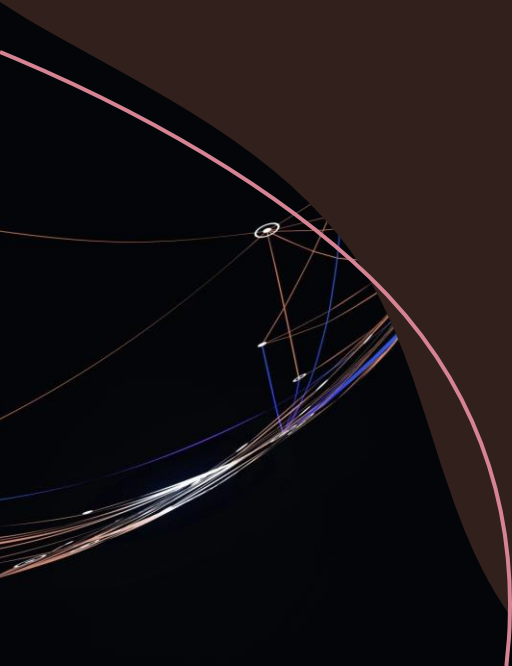


# ThriveStream

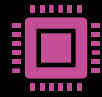
Team 07



# Concept



ThriveStream provides an immersive live music streaming experience to users



Software application paired with existing PlayStation VR technology



Users download the app and purchase access to livestream concerts from their favorite artists

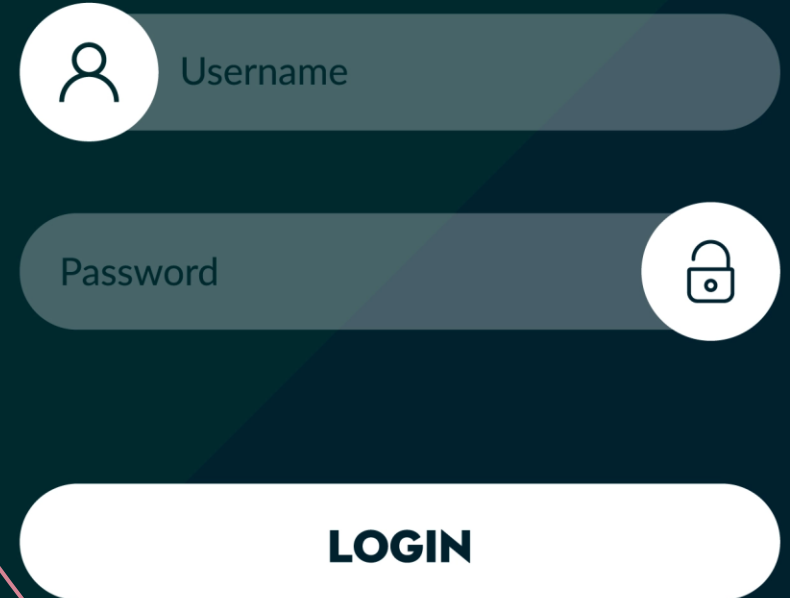


Users can also experience previously recorded concerts and events from a saved library

# Functional Requirements

- Login
  - Enter existing account information
  - Reset password
  - Access to profile and content library

## USER LOGIN



A user login form with a dark teal background. It features two input fields: 'Username' with a person icon and 'Password' with a lock icon. Below the fields is a white 'LOGIN' button.

Username

Password

**LOGIN**



# Functional Requirements

- Sign up
  - Users can create an account with their basic information and payment details
  - Allows access to content

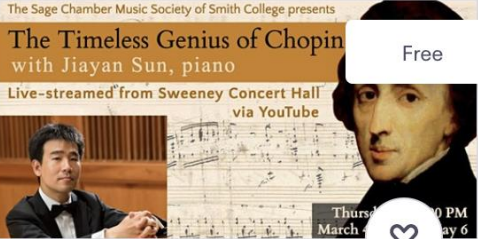
# Functional Requirements

- Browsing Events
  - Shows schedule of upcoming live concerts and events
  - Provides access to library of previously recorded events

The Sage Chamber Music Society of Smith College presents

**The Timeless Genius of Chopin**  
with Jiayan Sun, piano

Live-streamed from Sweeney Concert Hall  
via YouTube




Free

Thurs, Mar 11, 2021 8:00 PM EDT

Thu, Apr 8, 2021 8:00 PM EDT + 1 more event

**The Timeless Genius of Chopin**



Fri, Mar 19, 2021 3:00 PM EDT

**Empire Wild**


**BLACK DIAMOND QUEENS**

Allyson Armstrong  
Women and Rock and Roll

Women's Jazz Festival  
**Black Women in Rock and Roll**  
with Maureen Mahon and DJ Lynnée Denise


Performance by  
Amythyst Kiah

MARCH 16, 2021  
7:00 PM EST | Virtual Program



Tue, Mar 16, 2021 7:00 PM EDT

**WJF 2021: Black Diamond Queens with Maureen Mahon and DJ Lynnée Denise**



Sat, Mar 27, 2021 8:00 AM EDT

**IBIZA HOUSE PARTY 3**

# Functional Requirements

- Searching Events
  - Search bar to browse content relevant to keywords



# Functional Requirements

- Editing Account
  - Make account information updates





# Functional Requirements

- Streaming User Events
  - Streams live and pre-recorded events for users
  - Event stream is saved to library



# Functional Requirements

- Purchasing Events
  - Payment system charges customer for events with information on file
  - Receipt is sent to account email
  - Event is added to user's library





# Functional Requirements

- Submit and Verify Credentials
  - User information is validated by the ThriveStream system
  - Functionality for account creating, updating, and event purchasing

# Non-Functional Requirements

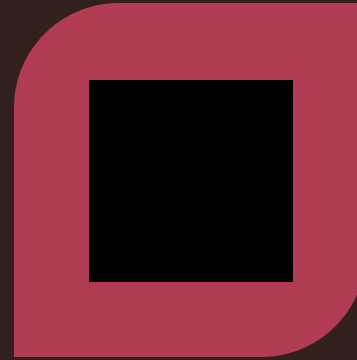


PAYMENT INFORMATION  
ENCRYPTION



ALLOW FOR TWO  
PASSWORD ATTEMPTS

# Non-Functional Requirements



INCREASE THRIVESTREAM LIBRARY  
MONTHLY



PAYMENT RECEIPT IS SENT TO  
USER EMAIL WITHIN 10 MINUTES

# Non-Functional Requirements



SEARCH RESULTS IN UNDER  
THREE SECONDS



SHOWTIME STREAMING LOADS  
EVENTS IN UNDER FIVE  
SECONDS



# Evolutionary Requirements



**Functional Requirements**



Multiplayer streaming



Adding Friends

# Evolutionary Requirements



**Functional Requirements**



Browsing Personalized  
Streaming Suggestions



Rating Events

# Evolutionary Requirements



**Non-Functional  
Requirements**



Search results  
return in same time



Increase of library  
events biweekly

# Evolutionary Requirements



## **Non-Functional Requirements**

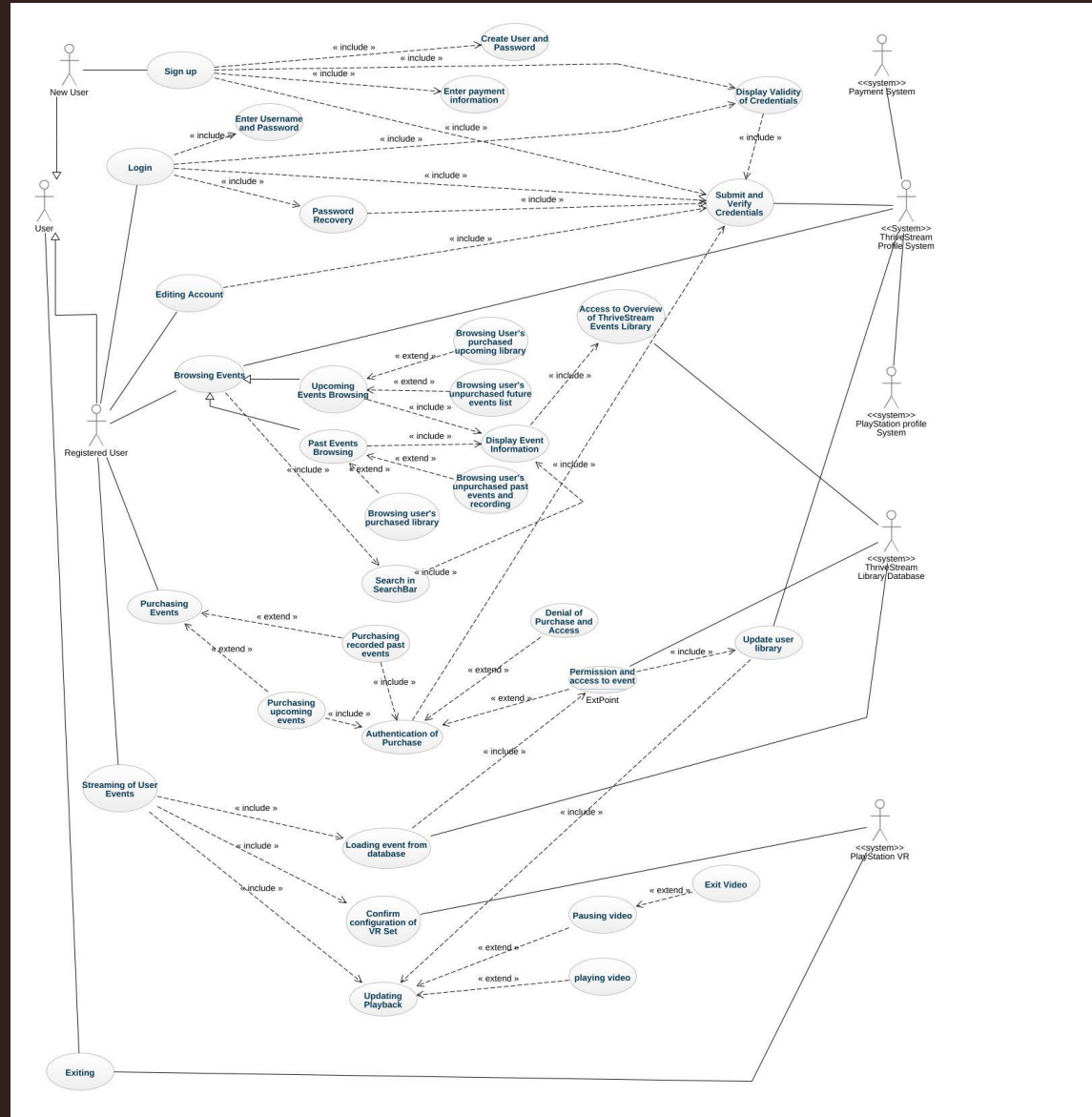


Multiplayer  
streaming increases  
to 3+ users



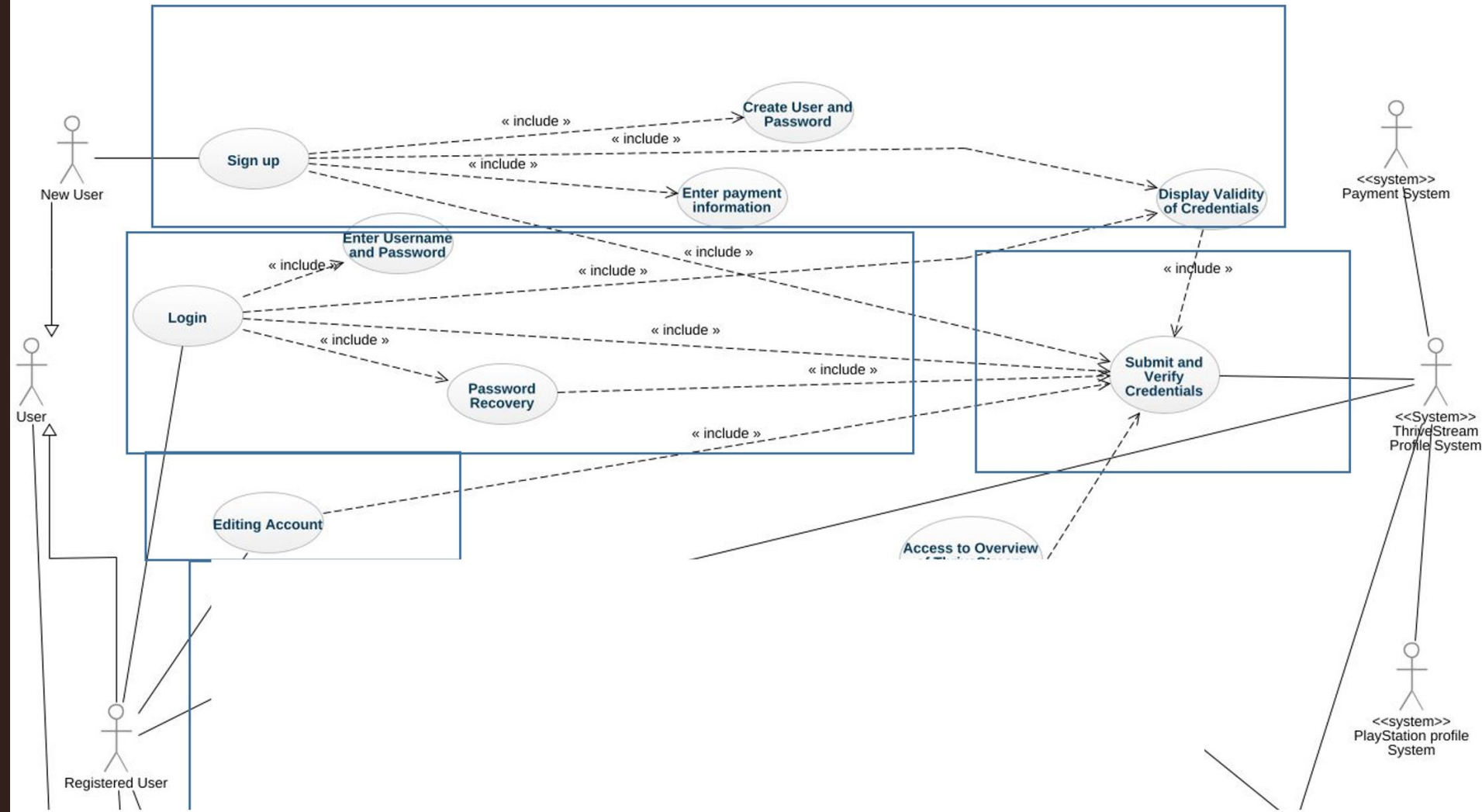
Facebook pairing

# Use Cases and Use Case Diagram



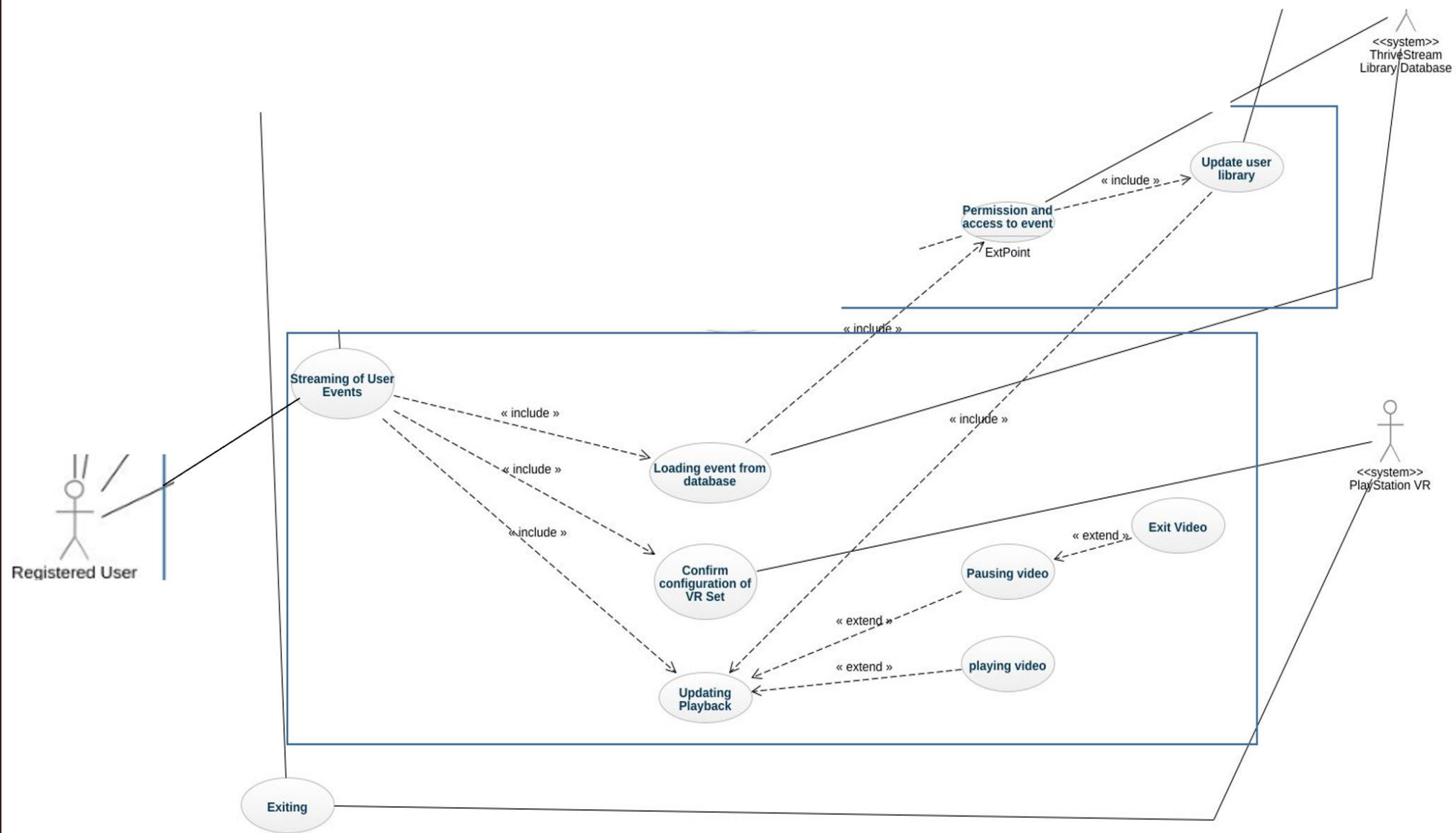


- Sign up
- Login
- Editing Account
- Submit and Verify Credentials





- Streaming Events
- Exiting

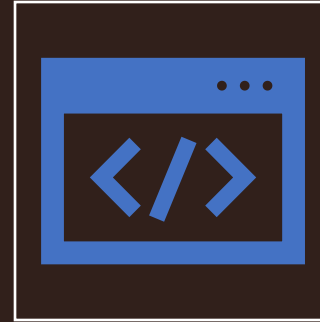


# System Constraints



## Tool Constraints

SQL Database



## Language Constraints

PSVR Devkit

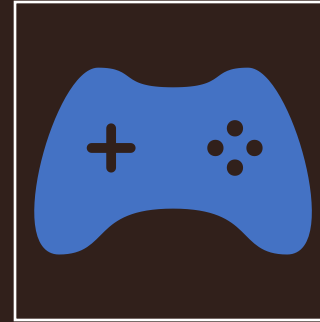
Java

# System Constraints



## Platform Constraints

PlayStation VR compatibility



## Hardware Constraints

PlayStation4/ 5

PlayStation VR



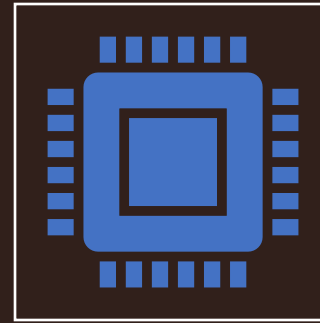
# System Constraints



## Network Constraints

Network must be fast enough to keep up with playback

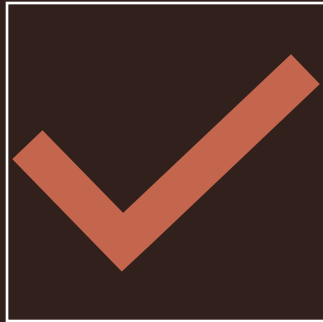
PlayStation must have up to date Software



## Deployment Constraints

Incremented Release

# System Constraints



## **Transition & Support Constraints**

Periodic System updates



## **Budget & Schedule Constraints**

Project must be complete by May 1st  
Content Availability



## Thank You and Q&A

- Thank you to Prof. Aguiar, the TA's, and our audience, today for your time
- Questions?