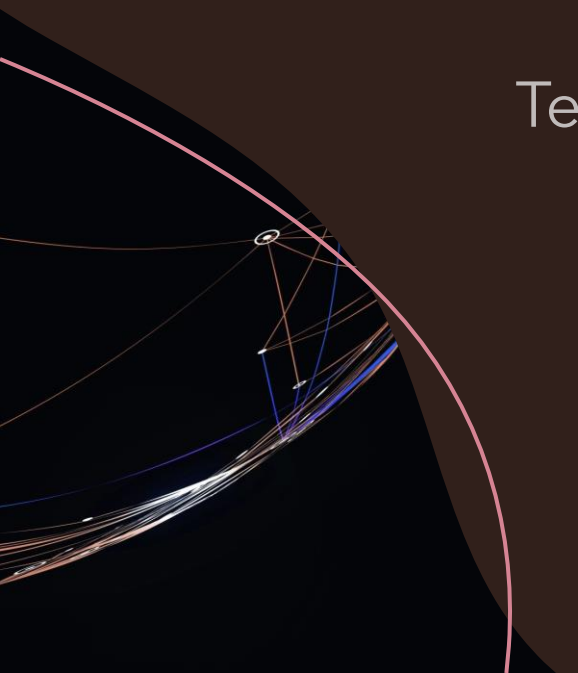
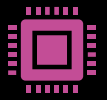
ThriveStream

Team 07



Concept

ThriveStream provides an immersive live music streaming experience to users



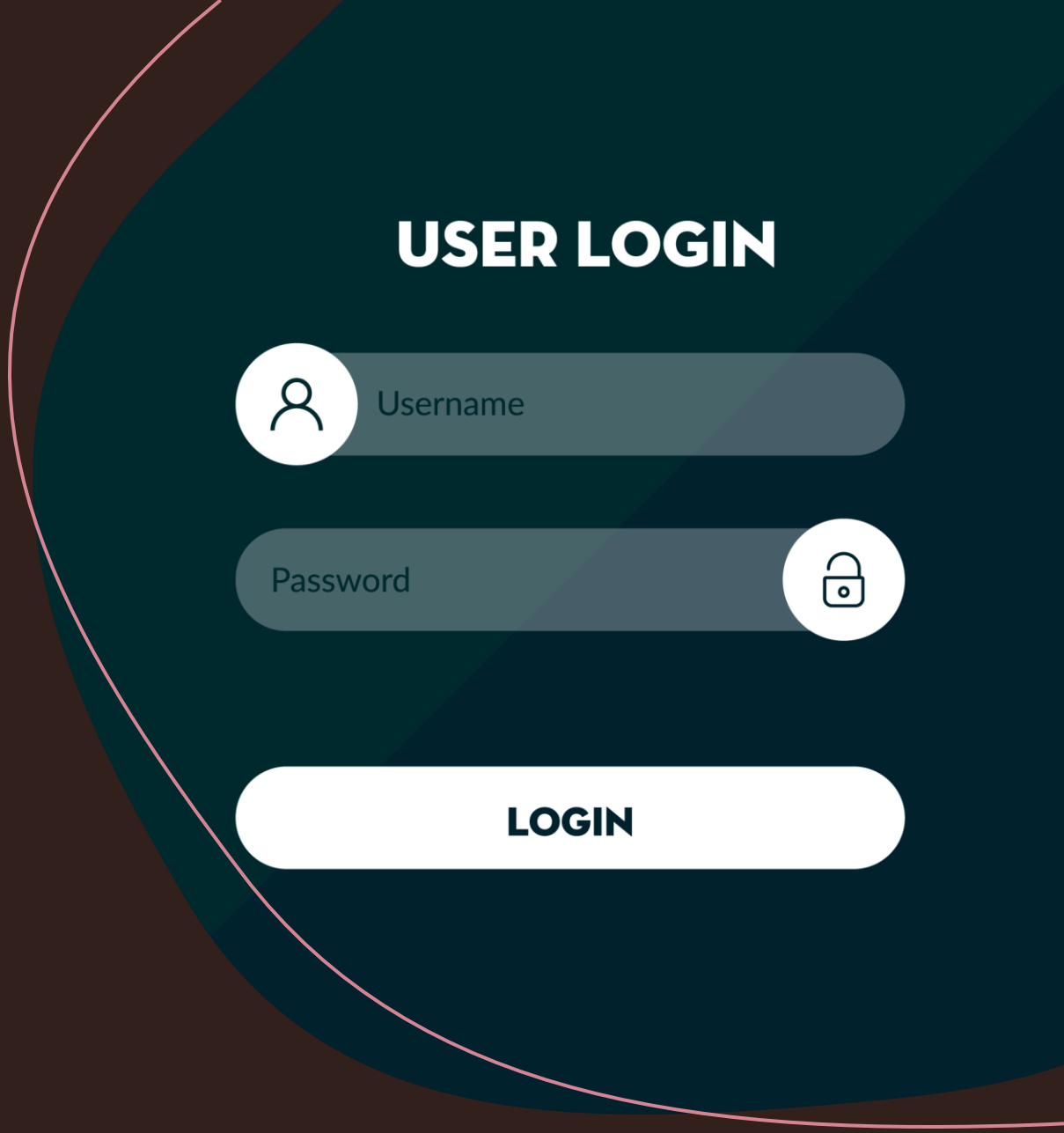
Software application paired with existing PlayStation VR technology

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



Functional Requirements

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

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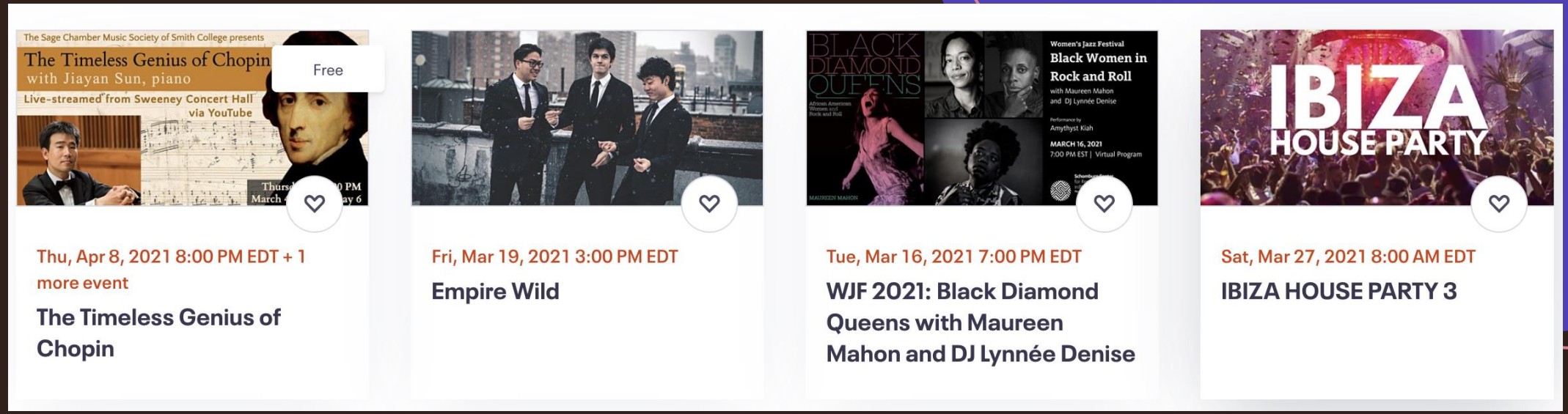
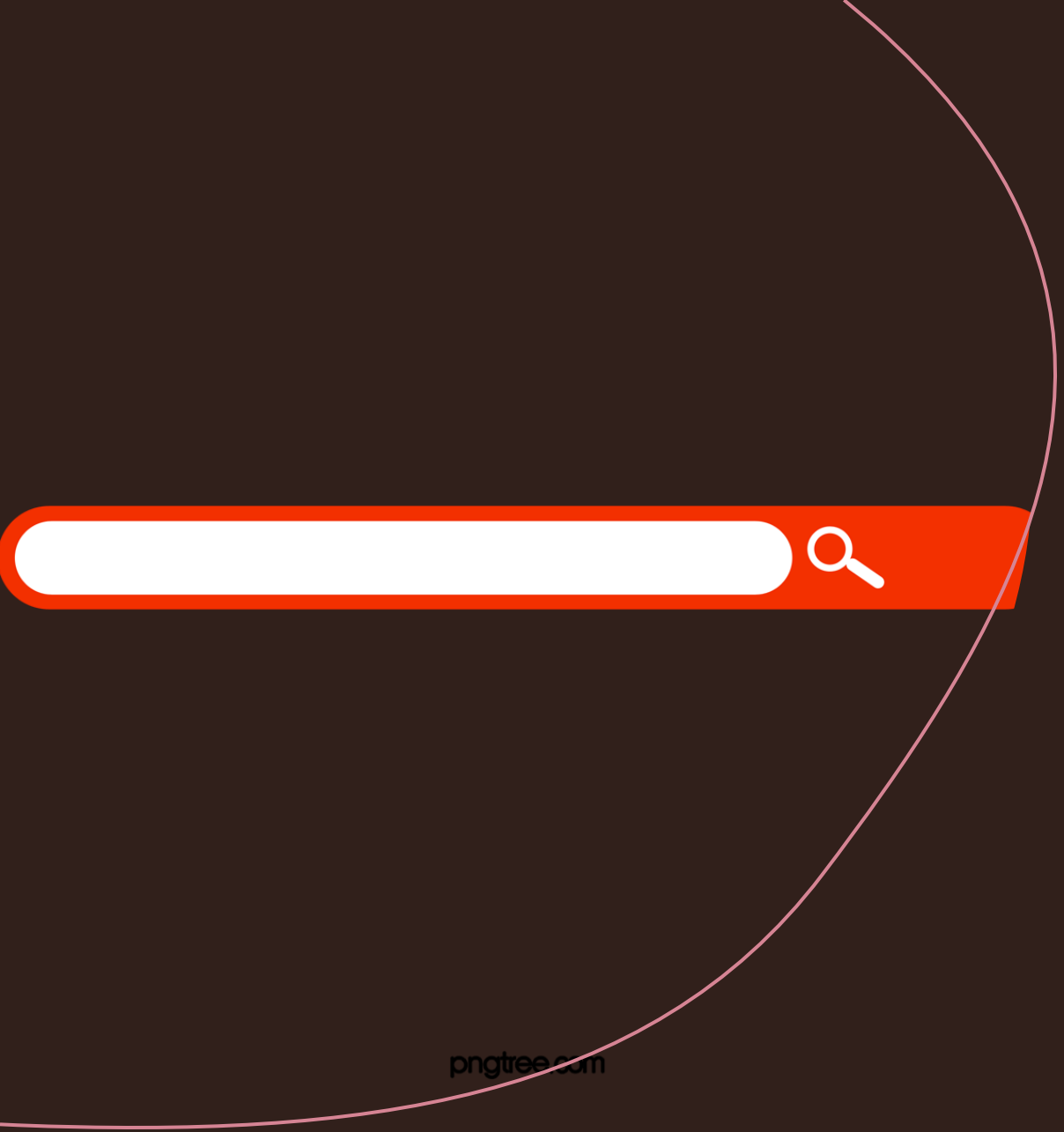
Functional Requirements

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





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

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Functional Requirements

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

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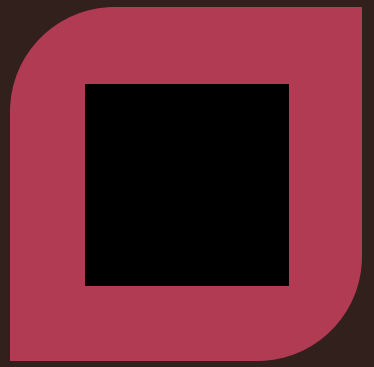
Non-Functional Requirements

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

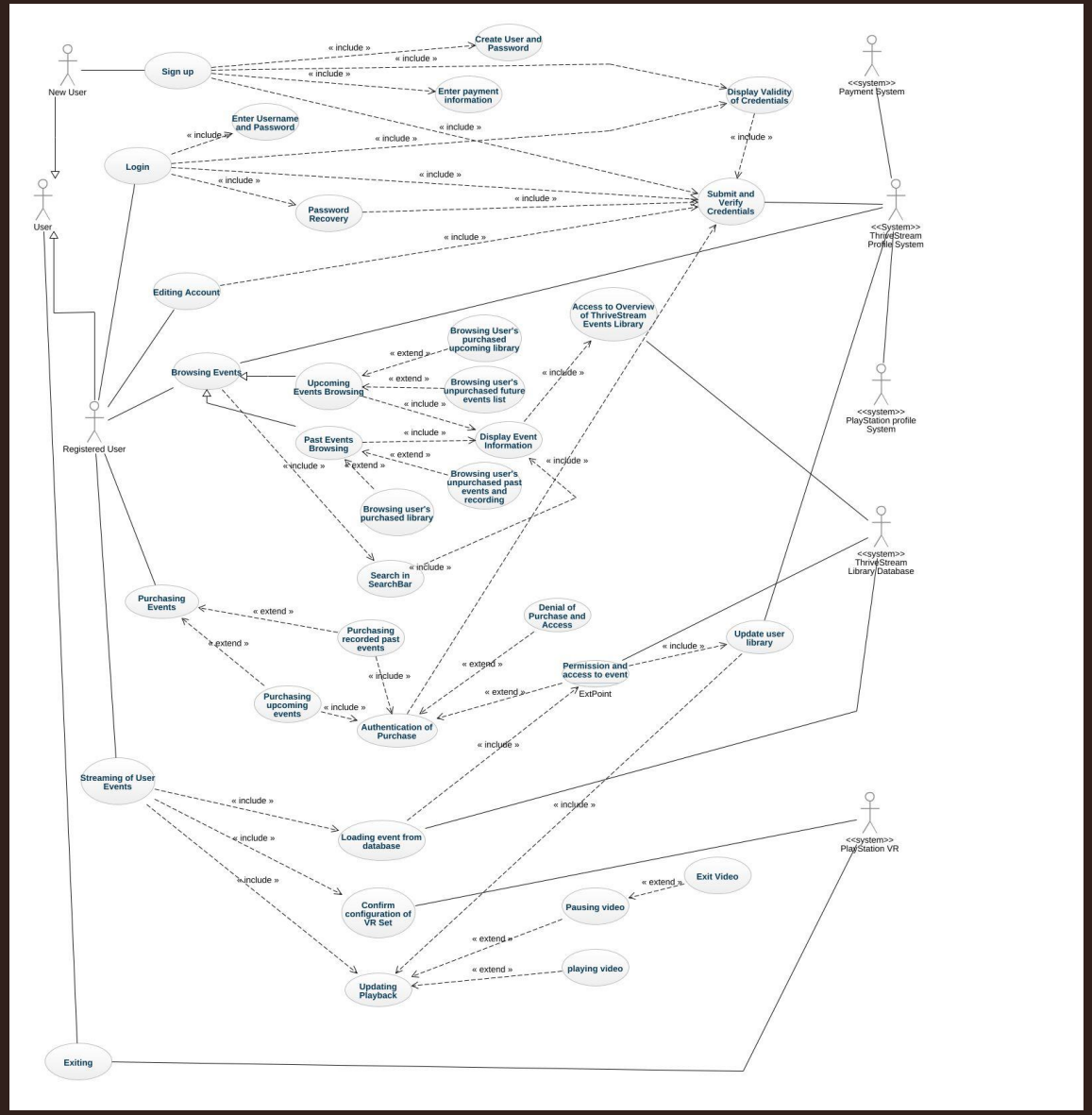
Evolutionary Requirements

Non-Functional Requirements

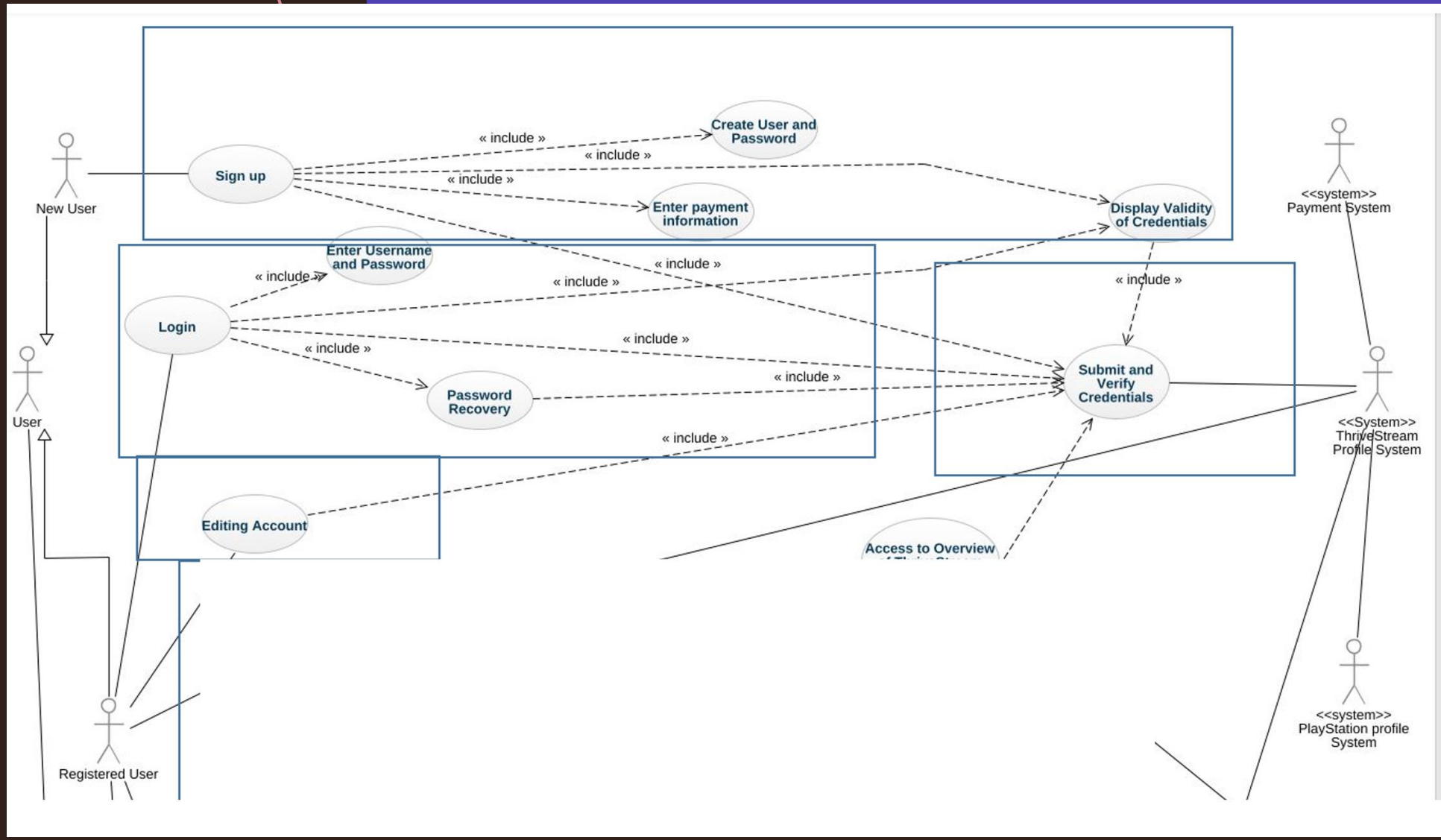
Multiplayer streaming increases to 3+ users

Facebook pairing

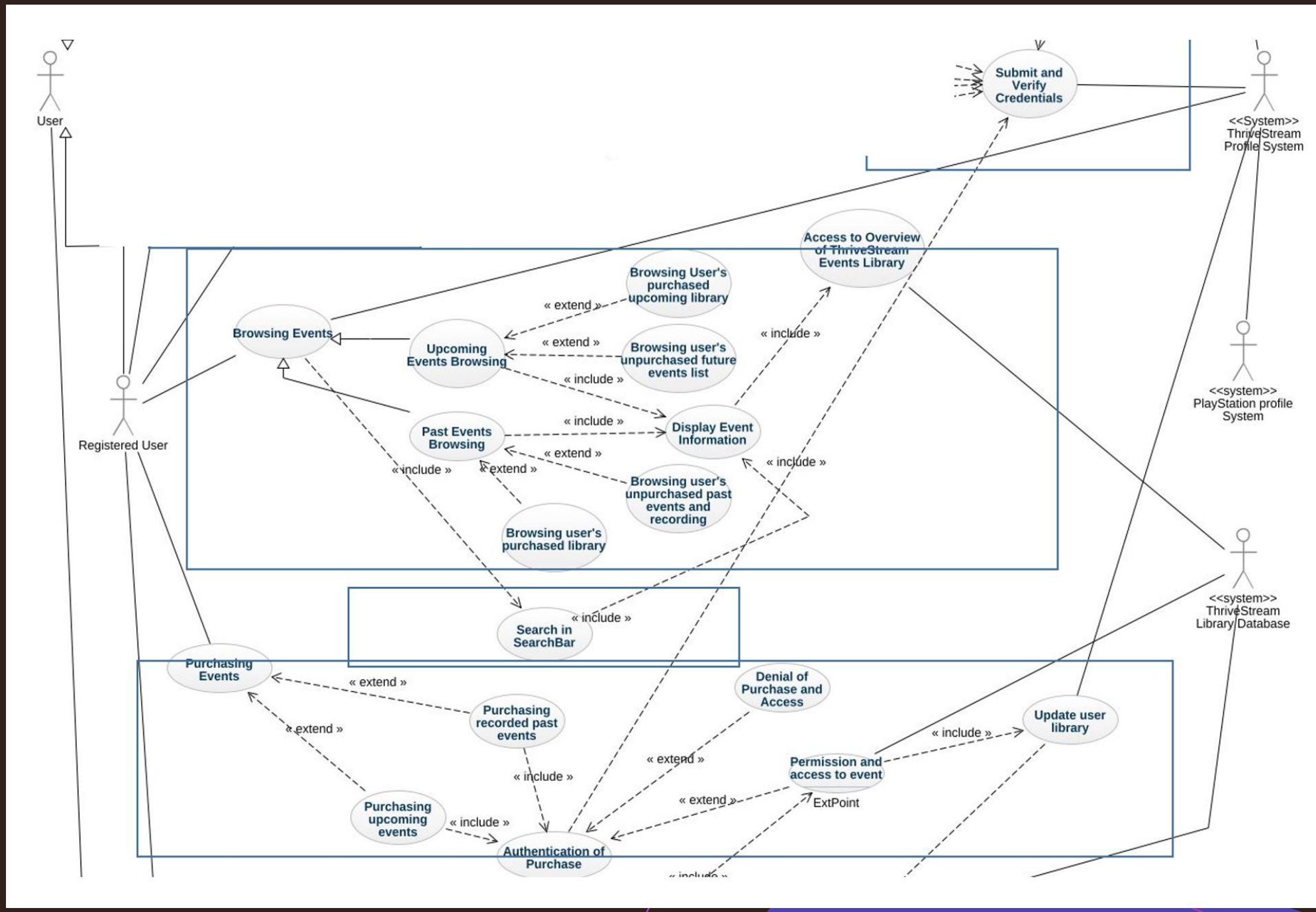
Use Cases and Use Case Diagram



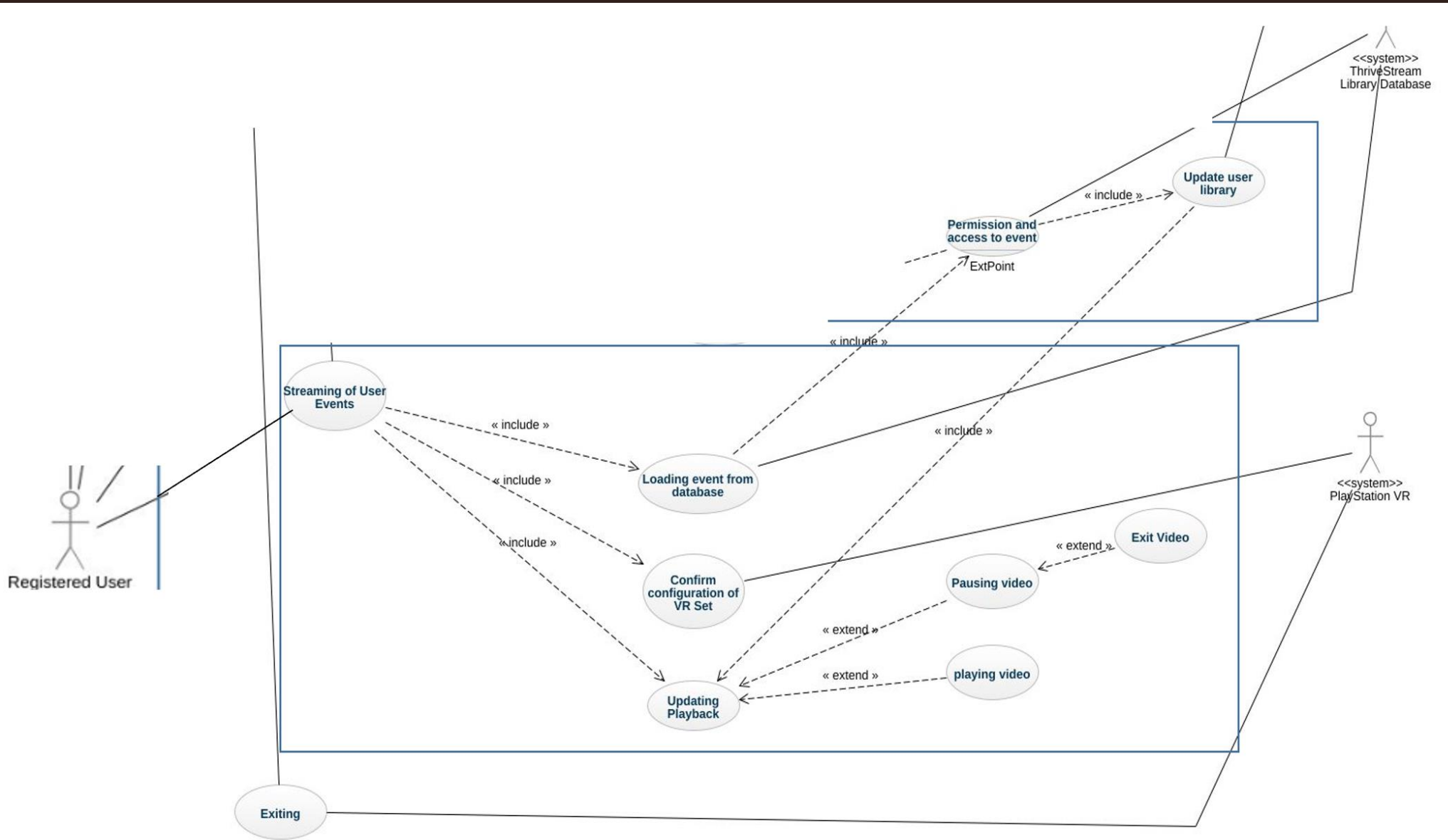
- Sign up
- Login
- Editing Account
- Submit and Verify Credentials



- **Browsing Events**
- **Purchasing Events**



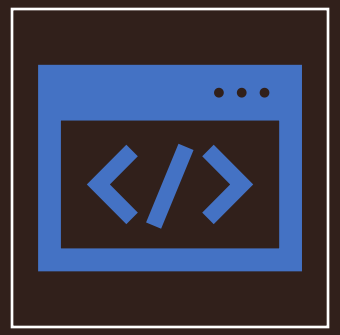
- Streaming Events
- Exiting



System Constraints

Tool Constraints

SQL Database



Language Constraints

PSVR Devkit

Java

System Constraints

Platform Constraints

PlayStation VR compatibility

Hardware Constraints

PlayStation4/ 5

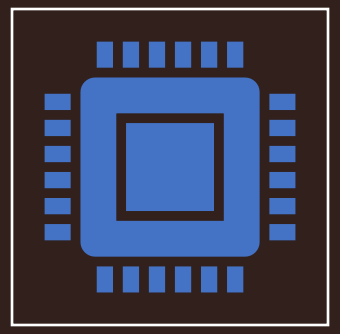
PlayStation VR

System Constraints

Network Constraints

Network must be fast enough to keep up with playback

PlayStation must have up to date Software



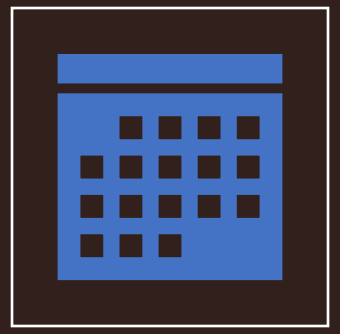
Deployment Constraints

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?

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