# Use Case Diagrams

**ID:** 2.1
**Use Case and Activity Name:** Importing Avatars
**Importance Level:** Medium

**Primary Actor:** User
**Use Case Type:** Overview, Real

**Stakeholders and Interests:**
User - Wants to view list of current avatars
System - Wants to ensure user can view avatars

**Brief Description:** This use case describes how users can view their list of avatars.

**Trigger:** User logs in
**Type:** External

**Relationships:**

**Association:** User, System, HeyGen API connection
**Include:** HeyGen API connection includes System
**Extend:**
**Generalization:**

**Normal Flow of Events:**

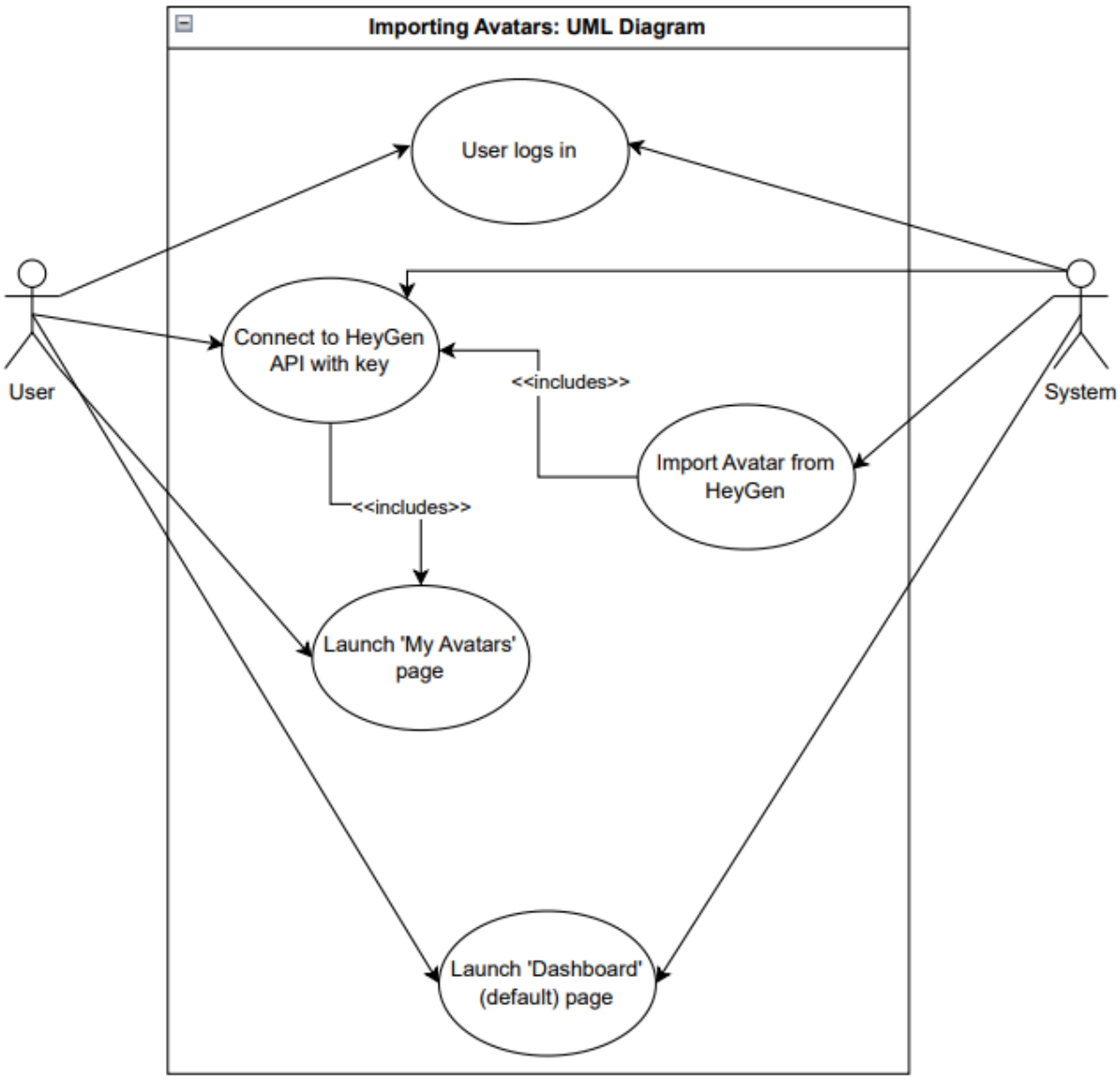
1. The user logs in.
2. The system launches the default 'Dashboard' page.
3. The user launches the 'My Avatars' page.
    a. If the user has previously linked their API key fromHeyGen through our system, then display a list of avatars.
    b. If the user has not previously linked their API key from HeyGen through our system, then the system prompts the user with instructions for HeyGen account generation, avatar creation, and API key generation, and provides a user with space to enter their API key.
        i. If a user enters a valid API key, then the system displays a list of Avatars.
        ii. If a user chooses not to enter an API key, then the system defaults to the 'Dashboard' page.

**Subflows:** n/a

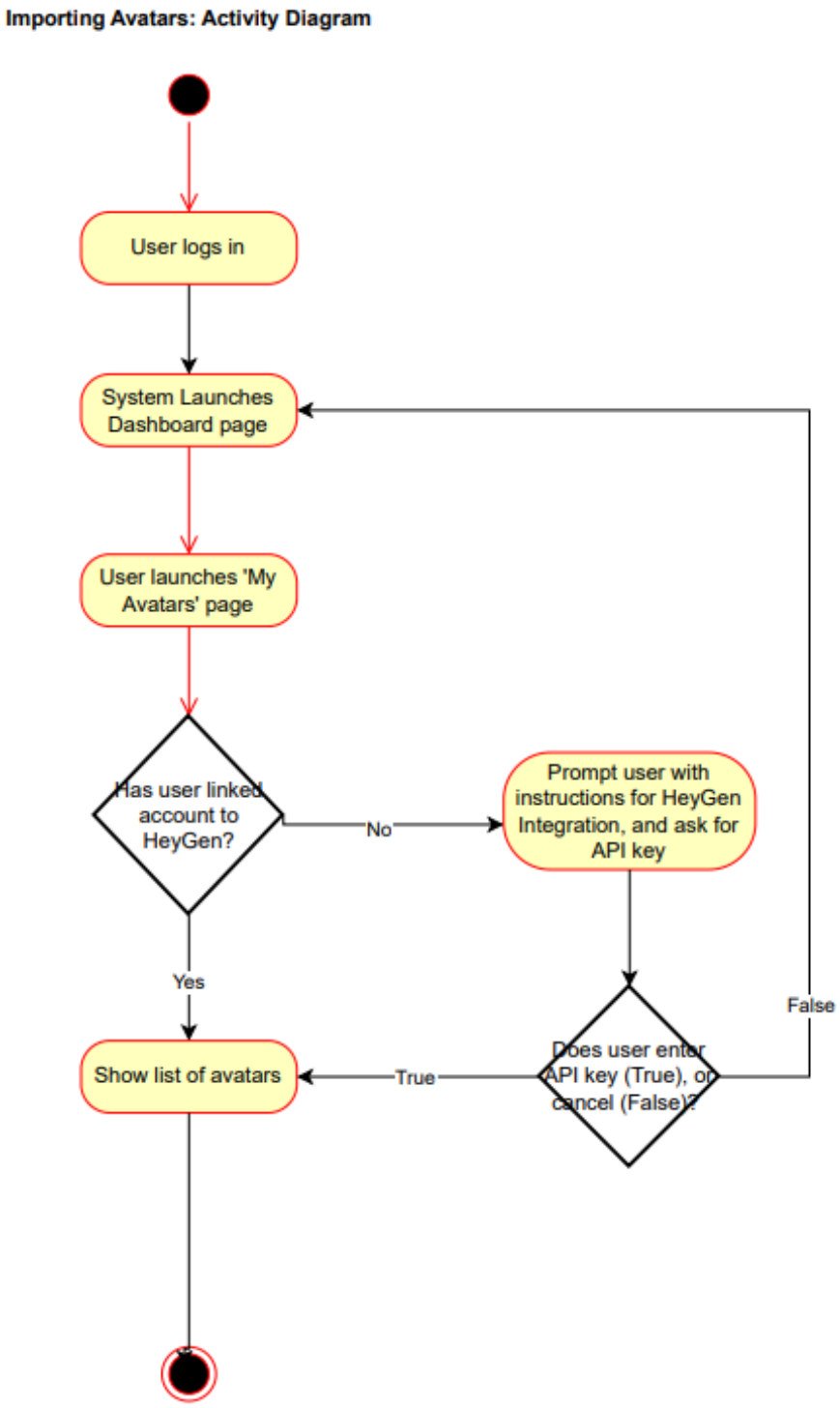
**Alternate/Exceptional Flows:**

3a. The user has an invalid API key, and the system displays an error message, prompting for API key input.

Use Case Diagram:



Activity Diagram:



**ID:** 2.2
**Use Case Name:** Video Generation
**Importance Level:** High

**Primary Actor:** User and System
**Use Case Type:** Overview, Real

**Stakeholders and Interests:**
User - Wants to create a new project (video)

**Brief Description:** This use case describes how the system com;lies and generates an instructor video.

**Trigger:** User creates a new project
**Type:** External

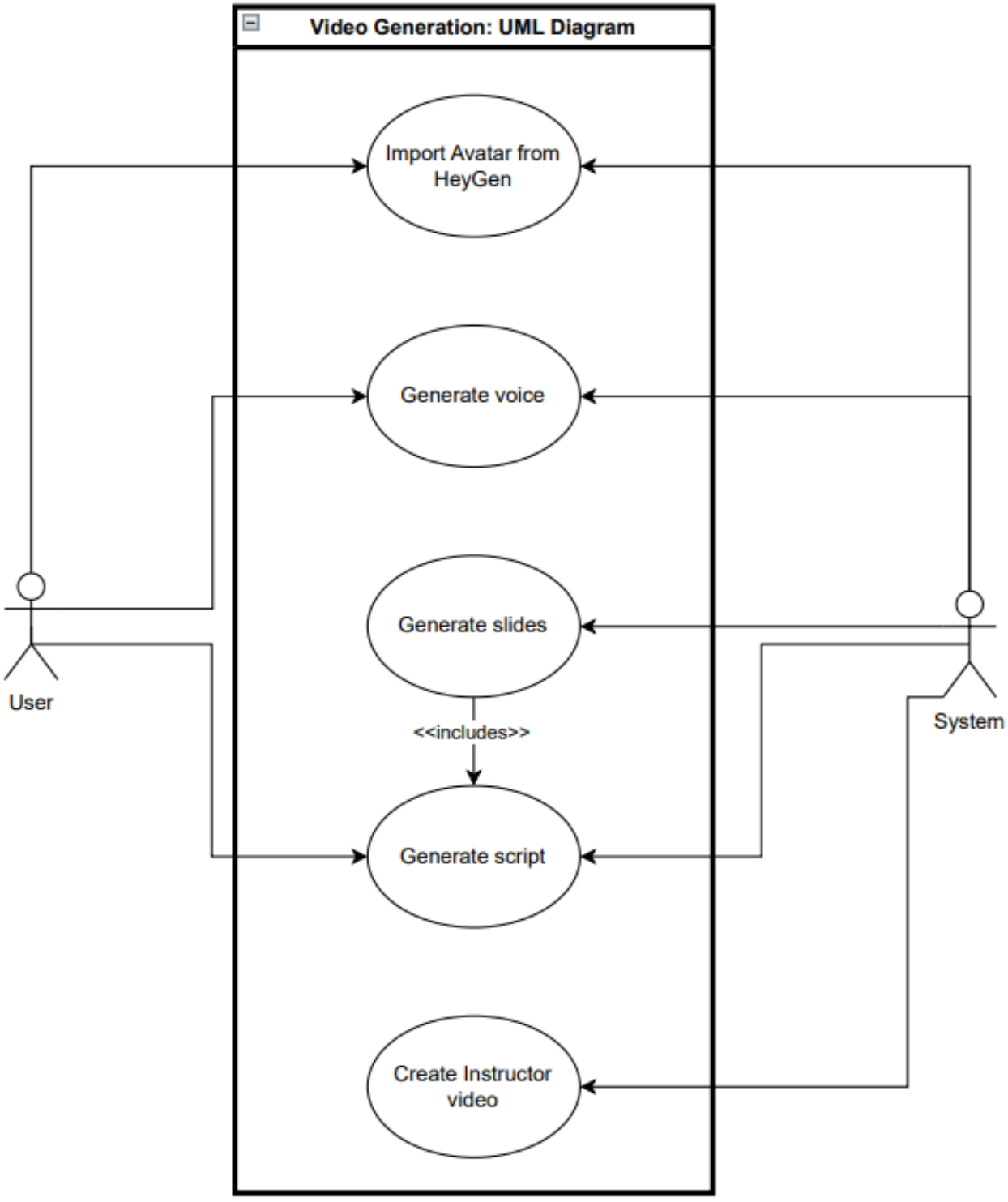
**Relationships:**
**Association:** User, System
**Include:** System functions
**Extend:**
**Generalization:**

**Normal Flow of Events:**
1. The user creates a new project.
2. The system displays a list of avatars and voices to choose from.
3. The user chooses an avatar and a voice.
4. The system prompts the user for a script topic.
5. The user inputs a script topic.
6. The system generates a script.
    a. If the user approves of the script, slides for the video are generated by the system.
    b. If the user does not approve the script, the system either regenerates the script, or forces the user to manually adjust the script (dependent on user input).
7. The system generates slides.
8. The system compiles a video.

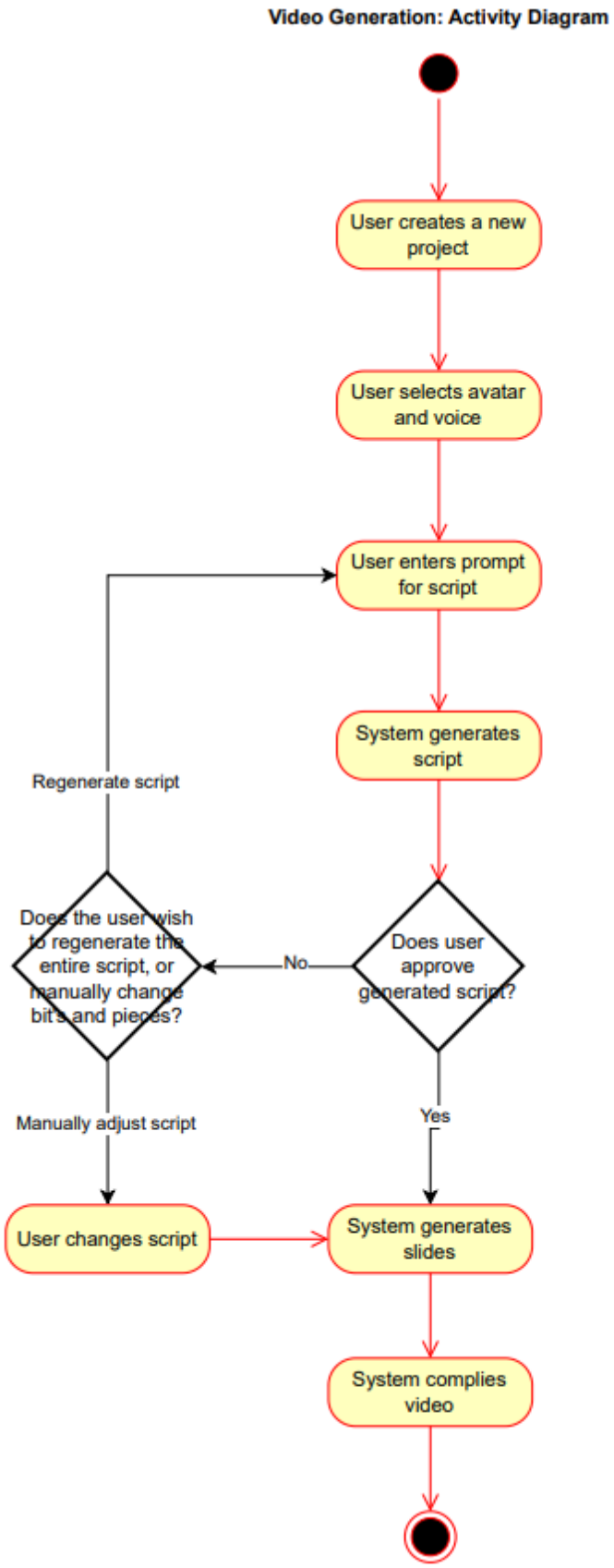
**Subflows:** n/a

**Alternate/Exceptional Flows:**
3a~6. The user chooses to exit out of the ‘My Projects’ page, the video will not be generated.

Use Case Diagram:



Activity Diagram:



**ID:** 2.3
**Use Case Name:** Slideshow Generation
**Importance Level:** High

**Primary Actor:** User and System
**Use Case Type:** Overview, Real

**Stakeholders and Interests:**
User - Wants to create a script and a slideshow for a video.

**Brief Description:** This use case describes how the system generates and displays a script and slideshow.

**Trigger:** A script has been generated.
**Type:** External

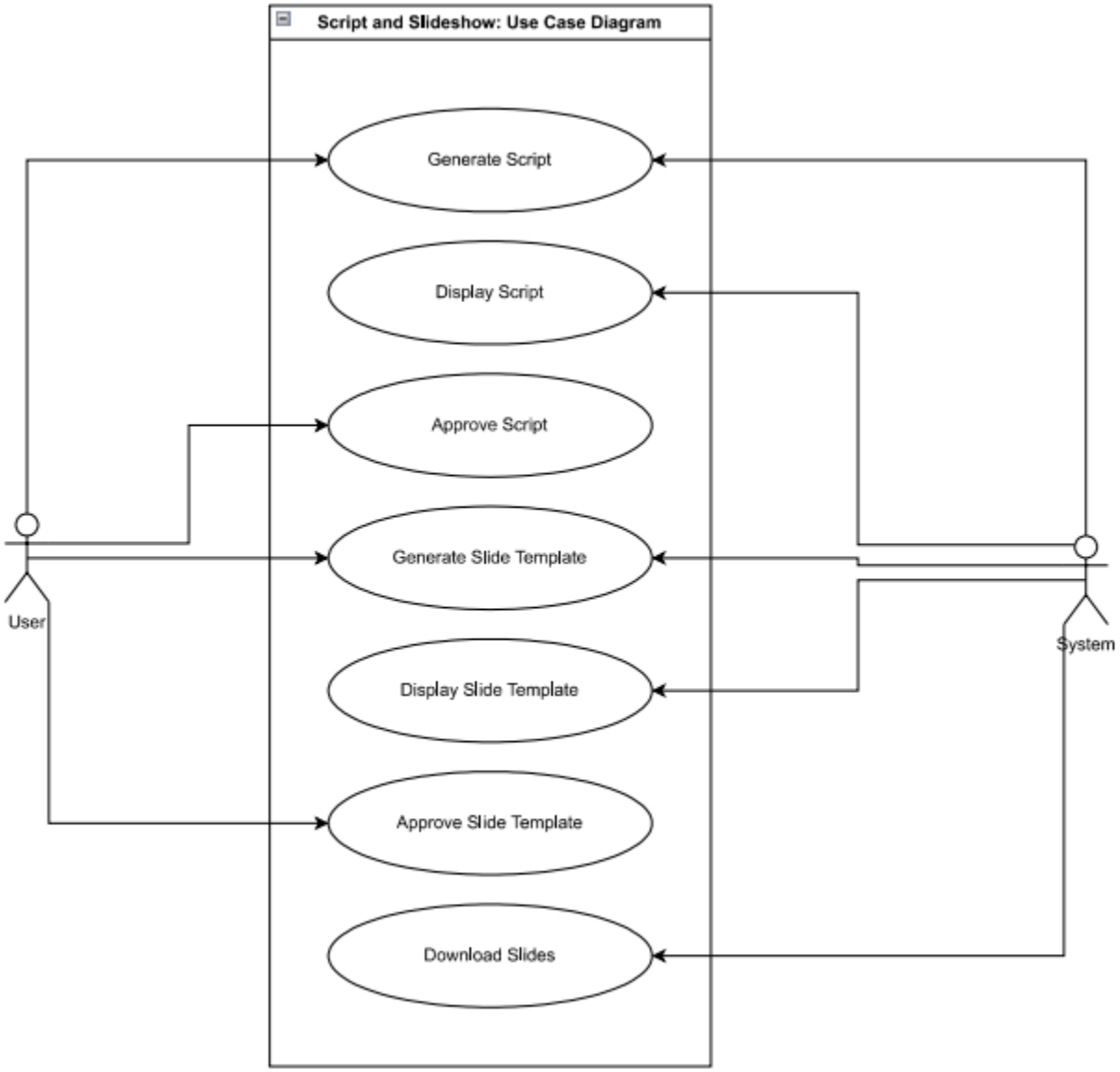
**Relationships:**
**Association:** User, System
**Include:** System functions
**Extend:**
**Generalization:**

**Normal Flow of Events:**
1. A script is generated by the system.
2. The system displays a slideshow outline.
    a. If the user approves of the slideshow outline, the slideshow is generated and automatically downloaded via a user's browser.
    b. If the user does not approve, the system forces the user to regenerate the slideshow outline.
3. The system generates a slideshow.

**Subflows:** n/a

**Alternate/Exceptional Flows:**
1~3. The user chooses to exit out of the 'My Projects' page, the video will not be generated.

Use Case Diagram:



**ID:** 2.4
**Use Case Name:** User Account Information
**Importance Level:** High

**Primary Actor:** User and System
**Use Case Type:** Overview, Real

**Stakeholders and Interests:**
User - Wants to view and adjust account information.

**Brief Description:** This use case describes how the system displays and adjusts account information for a user.

**Trigger:** An account has been generated. An user selects the 'My Profile' button.
**Type:** External

**Relationships:**

**Association:** User, System
**Include:** System functions
**Extend:**
**Generalization:**

**Normal Flow of Events:**

1. An account has been created.
2. A user selects the 'My Account' button.
3. The system displays the user's account information.
4. The user selects 'Add API Key'.
    a. If the user enters a valid API key, the API key will be saved to a user's profile.
    b. If the user enters an invalid API key, the program will display a warning error, and will not save the key.
5. The key is saved.
6. The user selects 'Delete API Key'.
7. The system prompts the user to verify the deletion of their key.
    a. If the user agrees to delta their key,. Their key will be deleted from the user profile.
    b. If the user disagrees, the key will not be changed or deleted, and will be saved in a user's profile.

**Subflows:** n/a

**Alternate/Exceptional Flows:**

1~7. The user chooses to exit out of the 'My Accounts' page, any account information disp;ayed will disappear off of the screen.

Use Case Diagram: