# Media Streaming with IBM Cloud Video Streaming

## Phase 4: Development Part 2

**Introduction:**

IBM Cloud Video Streaming is a cloud-based video streaming service that provides a scalable and reliable way to deliver high-quality video to viewers around the world. It offers a variety of features, including live streaming, on-demand playback, video transcoding, and content delivery network (CDN) integration.

**Project Title:**

Virtual Cinema Platform

**Objective:**

The objective of this project is to develop a virtual cinema platform using IBM Cloud Video Streaming services. The platform will enable users to register and create an account, browse and select movies and videos to watch, and upload their own movies and videos to the platform. The platform will also allow users to watch videos on demand with smooth and high-quality video playback.

**Implementation:**

The platform will be implemented using the following technologies:

- Python
- IBM Cloud Video Streaming SDK
- Flask

**Features:**

The platform will include the following features:

- User registration and authentication
- Video browsing and search
- On-demand video playback
- Video uploading
- Smooth and high-quality video playback

**Steps:**

The following steps will be taken to implement the platform:

1. Install the Flask framework

2. Create a Flask application file
3. Create a Video Streaming service instance on IBM Cloud
4. Create a database to store the video playback URLs
5. Implement the file upload form
6. Implement the functionality to generate video playback URLs from the database and redirect users to the video player
7. Test the platform to ensure that all features are working as expected

**Conclusion:**

The virtual cinema platform will provide users with a convenient way to watch movies and videos on demand. The platform will also allow users to share their own movies and videos with others.