

## **Media Streaming with IBM Cloud Video Streaming**

In Phase 4 of the project involves the continued development and integration of video streaming services and the introduction of user-generated content features.

- ❖ Integrate video streaming services for on-demand playback.
- ❖ Implement user upload functionality to allow users to contribute their own videos.
- ❖ Integrate IBM Cloud Video Streaming services to ensure high-quality playback.
- ❖ Conduct quality assurance testing to ensure platform functionality.
- ❖ Provide user documentation and support for a seamless user experience.
- ❖ Plan for scalability and performance optimization.
- ❖ Deploy the updated platform and roll out new features.
- ❖ Develop a marketing strategy for platform promotion.

### **1. Integration of Video Streaming Services for On-Demand Playback:**

- Continue building the platform by integrating video streaming services for on-demand playback.
- Select appropriate IBM Cloud Video Streaming services or third-party solutions, such as IBM Watson Media.
- Implement the necessary APIs and configurations for on-demand video playback.

### **2. User Upload Functionality:**

- Develop functionality for users to upload movies and videos.
- Create a user-friendly interface for media uploads, allowing metadata input.
- Consider automatic transcoding for compatibility and ensure secure storage.

### **3. Integration of IBM Cloud Video Streaming Services for Quality Playback:**

- Integrate IBM Cloud Video Streaming services for high-quality playback.
- Optimize video delivery, including adaptive bitrate streaming.
- Implement content protection and access control for security.
- Monitor and manage video streaming quality for a seamless user experience.

#### **4. Quality Assurance and Testing:**

- Thoroughly test the platform for functionality.
- Test across different devices and network conditions.
- Address issues related to performance, security, and user experience.

#### **5. User Documentation and Support:**

- Create user documentation and guides for platform usage.
- Provide support channels, including FAQs, chat support, or email support.

#### **6. Scalability and Optimization:**

- Plan for scalability to accommodate growth.
- Continuously monitor and optimize performance and cost-efficiency.

#### **7. Deployment and Rollout:**

- Deploy the updated platform to the chosen hosting environment.
- Roll out new features and capabilities to users, ensuring a smooth transition.

#### **8. Marketing and Promotion**

- Develop a marketing strategy to promote the platform to potential users.

Phase 4 stage in the development of the media streaming platform. By integrating video streaming services and enabling user uploads, we are one step closer to providing an immersive and interactive media experience. Regular testing and quality assurance are vital for ensuring a seamless user experience, while scalability and optimization prepare the platform for future growth.