Project Title: Media streaming with IBM cloud video streaming

Problem Statement:

The problem at hand is to set up media streaming using IBM Cloud Video Streaming. This involves delivering video and audio content over the internet, either through live streaming or on-demand video playback. The objective is to create a solution that allows efficient media streaming, organization, customization, and secure access for viewers.

Understanding problem:

Media streaming involves delivering video and audio content over the internet in real-time (live streaming) or on-demand (video-on-demand). IBM Cloud Video Streaming is a cloud-based platform designed to facilitate this process. To solve this problem, we need to:

1.Create a streaming service instance on IBM Cloud.

2.Upload and manage media content.

3.Configure channels and events for organizing content.

4.Customize the player and integrate it into a website or application.

5.Implement security measures to control access.

6.Utilize analytics for monitoring and insights.

7.Ensure scalability and optimization.

8.Provide ongoing support and maintenance.

Process:

1.Requirement Analysis: Gather detailed requirements from stakeholders, including content creators, viewers, and administrators.

2. Design Thinking: Apply design thinking principles to create user-centric design concepts for the media streaming platform.

3. Technical Feasibility: Assess the technical feasibility of using IBM Cloud Video Streaming to meet our requirements.

4. Architecture Design: Develop a high-level architecture design that outlines the components and their interactions.

5. Prototyping: Create a prototype or proof of concept to validate the feasibility of the design.

6. Development Plan: Define a development plan that includes milestones, timelines, and resource allocation.

7. Testing and Quality Assurance: Establish testing criteria and quality assurance processes to ensure the platform's reliability and performance.
8. Deployment and Monitoring: Implement the solution, monitor its performance, and make necessary adjustments.