Phase 1: Problem Definition and Design Thinking

Creating a video streaming application using IBM cloud video streaming service.

Problem Definition:

A lot of application platforms do not allow users to easily upload and manage video content in various formats (e.g., MP4, AVI, MKV) to the cloud.
Some applications do not implement video encoding and transcoding capabilities to support adaptive streaming for different devices and network conditions.
Few applications do not have very secure user data security and privacy.
User preferences are not sorted properly.

Design Thinking:

High-quality video streaming with minimal buffering.
Secure and seamless user experience.
Implement secure user authentication mechanisms and access controls to ensure that only authorized users can upload, modify, and access video content.
Develop an intuitive user interface for content management, allowing users to organize, categorize, and update video libraries easily.
Implement robust monitoring and error-handling mechanisms to proactively detect and address issues in real-time.
Ensure that the application is accessible on a wide range of devices and platforms (e.g., web browsers, mobile apps, smart TVs).