**Project Title:** Media Streaming with IBM Cloud Video Streaming

**Phase 1:** Problem Definition and Design Thinking

**Problem Definition:**

The project involves creating a virtual cinema platform using IBM Cloud Video Streaming. The objective is to build a platform where users can upload and stream movies and videos on-demand. This project encompasses defining the virtual cinema platform, designing the user interface, integrating IBM Cloud Video Streaming services, enabling on-demand video playback, and ensuring a seamless and immersive cinematic experience.

**Design Thinking:**

**1.Platform Definition:**

* This platform provides the users to create their own profile and able to manage it and also allows for logging in through google accounts.
* It entertains the users with high-quality playback videos while watching and also allows for uploading videos.
* It is integrated with IBM Cloud Video Streaming services for effective video watching.

**2.User Interface Design:**

* The platform is more user-friendly for the users for uploading videos or movies and also for viewing them.
* Also provides the playback speed option, captions, easy navigation and easy content delivery for users’ great experience.

**3. Video Upload:**

* User can upload the videos or movie in a easier manner by the predefined guidelines given for them.
* The quality of the uploading video or streaming movies is being suggested in a high-quality manner.
* Visually those are accessible in tablet, mobile, smart TV and other digital appliances.

**4. Streaming Integration:**

* Integrated IBM Cloud Video services into the platform's infrastructure and displaying. And also to utilize APIs and SDKs.
* Implement adaptive bitrate streaming to adjust video quality based on users' internet speeds and device capabilities.

**5.User Experience:**

* Supports various video resolutions (SD, HD, 4K) and provide users with options to select their preferred quality.
* Enabled with interactive features like comments and ratings to enhance viewer engagement and offer user-friendly video player controls, including play, pause, rewind, and so on.

**Team Members Details:**

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