NAAN MUDALVAN – IBM PROJECT

COLLEGE NAME : JEPPIAAR ENGINEERING COLLEGE

COLLEGE CODE : 3108

DOMAIN : CLOUD APP DEVELOPMENT

PROJECT : 10. MEDIA STREAMING WITH IBM CLOUD VIDEO STREAMING

TEAM MEMBERS :

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PHASE 1 : PROBLEM DEFINITION AND DESIGN THINKING

PROBLEM STATEMENT :

Create a virtual cinema platform using IBM Cloud Video Streaming . Upload and stream your favourite movies and videos on-demand . Share the joy of movie nights with friends and family, no matter where they are located . Elevate the movie-watching experience with seamless streaming and high-quality video playback for a truly immersive cinematic experience!

PROBLEM DEFINITION :

The given problem statement is to create a virtual cinema platform using IBM Cloud Video Streaming technology . The main objective is to build a platform where users can upload and stream movies and videos on-demand .This project mainly defines about the virtual cinema platform registration, integrating IBM Cloud Computing Streaming services, video uploading, on-demand streaming , and ensuring a seamless and immersive cinematic experience.

User registration :

User registration provides account creation, authentication, access control. This registration process ensure security, accountability, and proper resource allocation. User registration is an integral of the platform.

Video upload :

This features enables the users to contribute, share,or distribute the content to the platform. It is Very important to ensure that the upload process is user-friendly . The contents will be in the form of movies, videos or other media files.

On-demand streaming :

On-demand streaming allows users to access content whenever they want, eliminating the need to adhere to broadcast schedules. This platform builds extensive content libraries that the users can browse and select. These libraries includes movies, tv shows, podcasts and more .

Seamless and immersive experience :

This features ensures that the viewers enjoy uninterrupted streaming of movies, tv shows without buffering or technical glitches, leading to a more enjoyable experience.

DESIGN THINKING :

From the given problem statement , the next step is to employ design thinking to create a structured plan for the project.

Platform definition :

These platform definitions are crucial for ensuring compatibility, quality, and seamless viewing experience. This platform includes user registration, video upload, and on-demand streaming.

User interface design :

User interface(UI) design plays a crucial role in enhancing the user experience in media streaming . It is a well-designed navigation system ensures that the user can move through the platform effortlessly .

Video Upload :

It is a fundamental features in media streaming platform enabling content creators and users to contribute and share videos.

Streaming integration :

streaming integration refers to the seamless incorporation various technologies and protocols to ensure the efficient delivery of media content to end-users. Streaming

integration allows the use of multiple audio and video to ensure compatibility with a wide range of devices and network conditions.

User experience :

User experience is a crucial role that how a viewers interact with and perceives the streaming service. The main focus is to provide a seamless and immersive experience to the user.