Phase 4: Development Part 2 - Project Submission

Project Title: [Media Streaming with IBM Cloud]

Date: [24/10/2023]

Overview:

In Phase 4, we continued the development of our project by focusing on video streaming services and on-demand playback. The objectives included integrating video streaming capabilities, enabling users to upload their movies and videos, and ensuring smooth playback through IBM Cloud Video Streaming services.

Tasks Completed:

1. Integration of Video Streaming Services:

We successfully integrated video streaming services into our platform to provide users with a seamless and immersive experience. The incorporation of IBM Cloud Video Streaming services ensures high-quality video playback .

2. On-Demand Playback:

Implemented on-demand playback functionality, allowing users to access and watch content at their convenience. The system supports a user-friendly interface for selecting and playing videos on demand.

3. User Upload Functionality:

Enabled users to upload their movies and videos to the platform. The upload feature is designed to use, providing users with a straightforward process to contribute their content to the platform.

4. IBM Cloud Integration:

Integrated IBM Cloud Video Streaming services to enhance the quality of video playback. The capabilities of IBM Cloud ensures that our platform delivers a reliable and high-performance streaming .

Technical Details:

Video Streaming Integration:

- Utilized [html,css,javascript, flask] for seamless integration of video streaming services.
- Implemented adaptive streaming for optimal performance across various network conditions.
- Ensured compatibility with different devices to provide a versatile streaming experience.

On-Demand Playback:

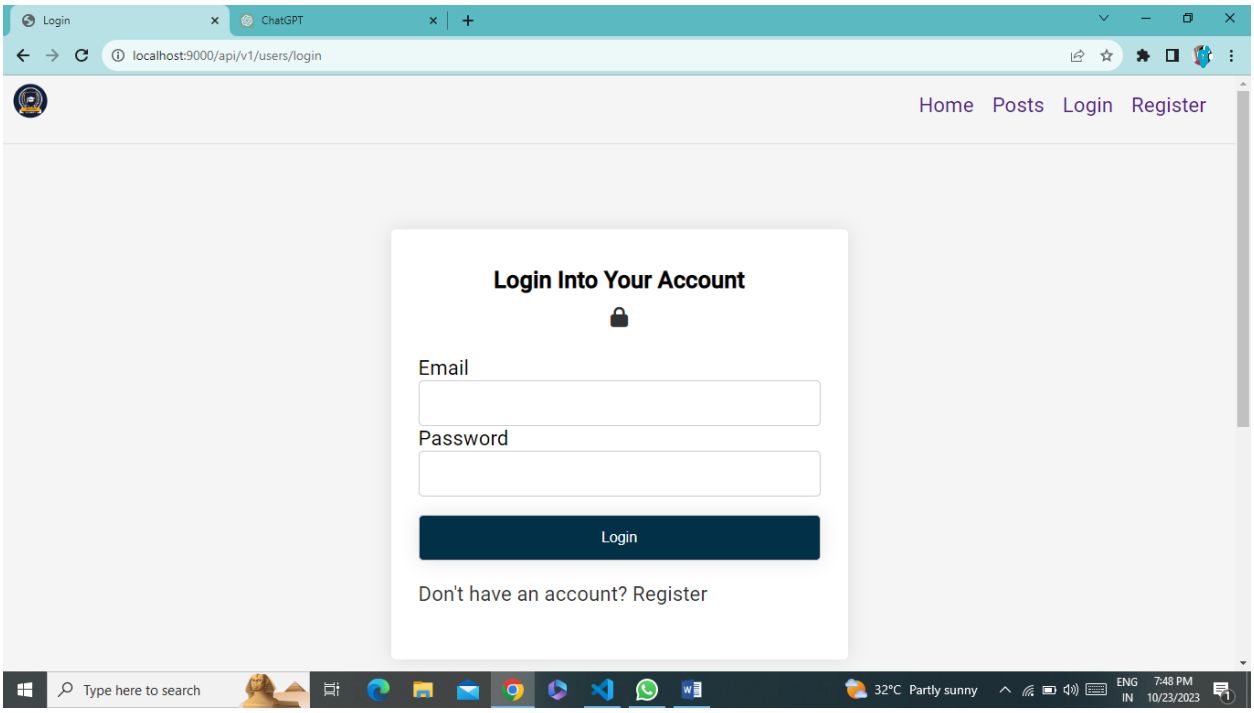
- Developed a user interface that allows users to browse and select videos for on-demand playback.
- Implemented a robust backend system to manage and serve on-demand content efficiently.

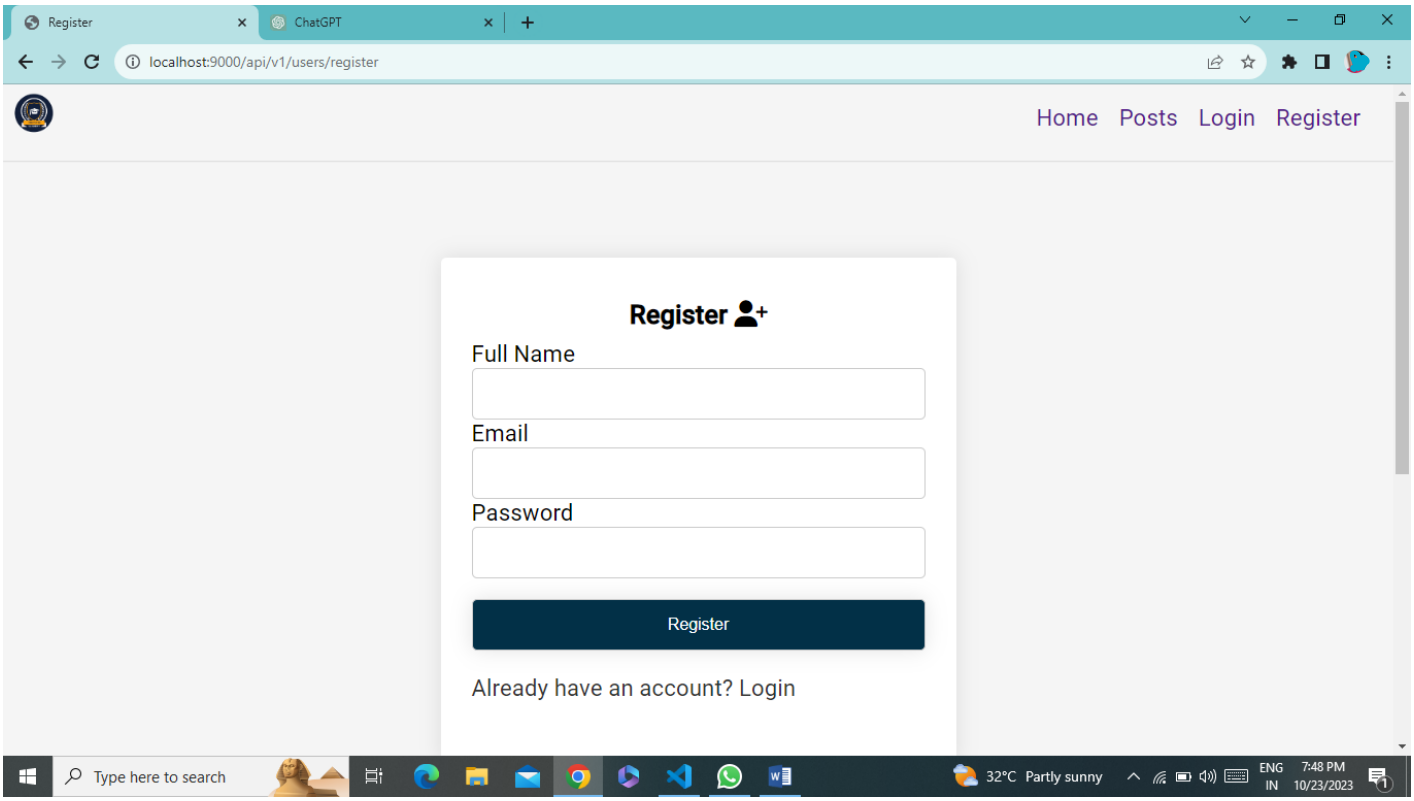
User Upload Functionality:

- Created a secure and user-friendly upload feature, including file format validation and size restrictions.
- Implemented a storage system to manage and organize user-uploaded content effectively.

IBM Cloud Video Streaming:

- Integrated IBM Cloud Video Streaming services using [specific SDK or API].
- Configured settings to optimize video delivery, taking advantage of IBM Cloud's infrastructure for reliability and scalability.

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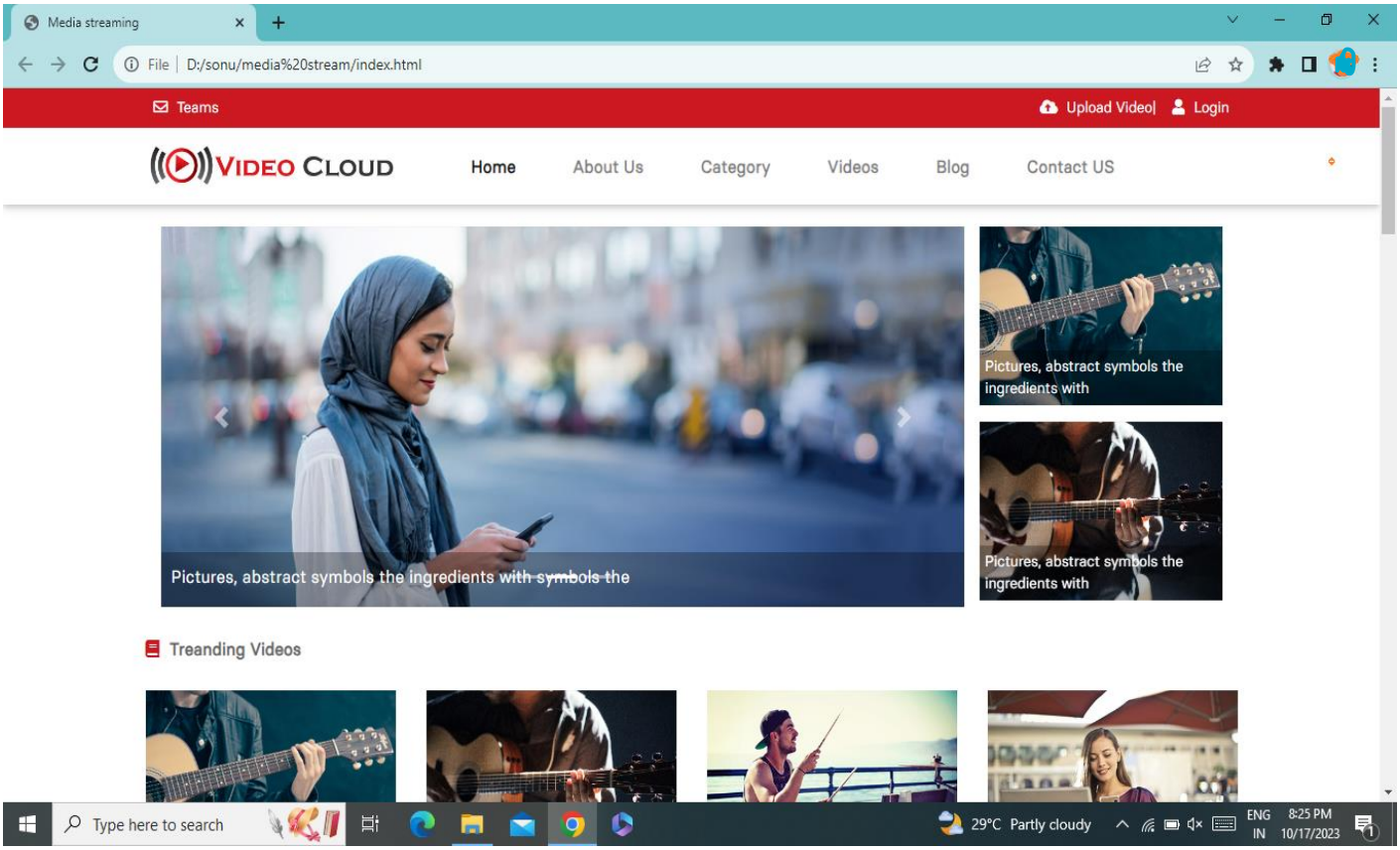
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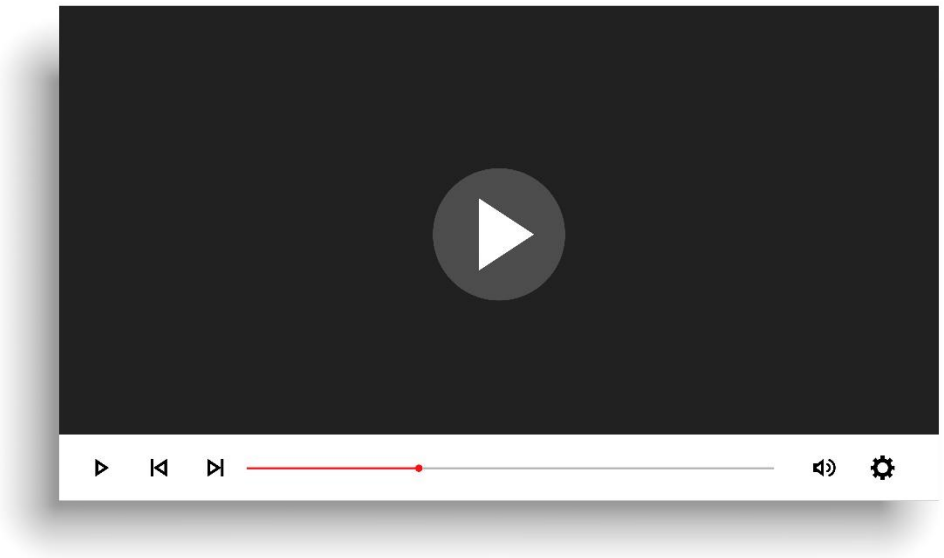

Conclusion:

Phase 4 represents a significant milestone in the development of our platform, focusing on delivering a robust video streaming experience to users. The successful integration of IBM Cloud Video Streaming services ensures that our platform stands out for its high-quality video playback and user-friendly features.