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(57) Abstract :

The present invention relates to a video streaming system, particularly a YouTube clone video library, which allows users to search, browse, and stream video content seamlessly. The system includes a user interface for displaying video thumbnails and metadata, a backend server for storing and retrieving video data, and a video player for playback. It also provides features such as search functionality, personalized recommendations, and responsive layout design for multiple devices. The video content is delivered efficiently through a backend server, utilizing APIs for data fetching and a content delivery network (CDN) for optimized streaming performance. The system is designed to handle scalability and provide a seamless user experience across different platforms and devices, ensuring high availability and fault tolerance.

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