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Researching Reports

CSD230

The Android feature I decided to research was the VideoView and MediaController components. The VideoView component provides a window in the application to play video either through online resources or local files. The MediaController class can be set up and attached to the VideoView to control several aspects of how the video is played. It provides simple play, pause, skipping, and timeline functionality that makes viewing the video a lot easier.

To implement this, I followed the Abhi Android tutorial on VideoViews. Starting with adding a video in the res folder under a new directory labeled “raw” I inserted a test mp4 file from my computer. Using a URI, I was able to get a reference to the local file and provide it to a VideoView I created in activity\_main. Next, I created a MediaController object and assigned it to the VideoView then calling its play method. The process for adding this function to my project was much easier than I had anticipated. Though I originally had intended to stream the video from YouTube I found that the process for that was a lot more difficult than I had thought as the VideoView object is limited in its ability to stream high quality video.

Resources used:

<https://abhiandroid.com/ui/videoview>

<https://developer.android.com/reference/android/widget/VideoView>

https://stackoverflow.com/questions/13603553/videoview-to-match-parent-height-and-keep-aspect-ratio