# Video Components Documentation

## 1. VideoPlayer2

Description  
VideoPlayer2 is a simple React component designed to play local video files using the <video> HTML element. It provides built-in controls for playback and ensures responsiveness.

### Props

- videoUrl (string): The URL of the video file to be played. This is a required prop.

### Example Usage

import VideoPlayer2 from './components/VideoPlayer2';  
  
export default function LocalVideoPage() {  
 return (  
 <div className="container mx-auto py-8">  
 <h1 className="text-primary text-3xl font-bold mb-6">Local Video Example</h1>  
 <VideoPlayer2 videoUrl="/videos/sample-video.mp4" />  
 </div>  
 );  
}

### Key Features

- Responsive design using a 16:9 aspect ratio (pb-9/16).  
- Built-in playback controls.  
- Optimized for local or CDN-hosted video files.

## 2. YouTubeVideoPlayer

Description  
YouTubeVideoPlayer is a React component that embeds a YouTube video using an <iframe>. It ensures responsive design and optimal integration with YouTube's embedded player.

### Props

- videoId (string): The unique ID of the YouTube video. This is a required prop.

### Example Usage

import YouTubeVideoPlayer from './components/YouTubeVideoPlayer';  
  
export default function YouTubeVideoPage() {  
 return (  
 <div className="container mx-auto py-8">  
 <h1 className="text-primary text-3xl font-bold mb-6">YouTube Video Example</h1>  
 <YouTubeVideoPlayer videoId="p7O7LuIcPU8" />  
 </div>  
 );  
}

### Key Features

- Embeds a YouTube video with responsive design (pb-9/16).  
- Prevents autoplay by default.  
- Optimized for large and small screens:  
 - On large screens: Video width is restricted to 2/3 of the container (lg:w-2/3) and centered (lg:mx-auto).  
 - On small screens: Full-width video display.

## Comparison of Components

|  |  |  |
| --- | --- | --- |
| Feature | VideoPlayer2 | YouTubeVideoPlayer |
| Purpose | Play local video files | Embed and play YouTube videos |
| HTML Element | <video> | <iframe> |
| Responsiveness | 16:9 aspect ratio | 16:9 aspect ratio |
| Customization | Full control over playback | Controlled by YouTube |
| Autoplay | Optional | Disabled by default |

## Notes

- Ensure that the videoUrl for VideoPlayer2 points to a valid video file accessible to the app.  
- For YouTubeVideoPlayer, provide a valid YouTube video ID (not the full URL). For example, from https://www.youtube.com/watch?v=p7O7LuIcPU8, the ID is p7O7LuIcPU8.