

KS.



Kitchen Stories.

How We Ditched iFrames and Learned to Love <video>

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whoami



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Trained designer

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Kitchen Stories.

A cooking platform, designed to make cooking accessible to everyone

A recipe book, and much more

High quality content presented with beautiful imagery

Videos at Kitchen Stories





Videos are Part of Our DNA

Video is one of the premises Kitchen Stories was founded upon

Great medium to show cooking process

Video Use Cases

Recipe videos – showing creation of specific recipes

How to videos – Showing kitchen skills

The `<video>` Element



«A video element is used for playing videos or movies.»

HTML specification 4.8.6. – The video element

«The video element is a media element whose media data is ostensibly video data, possibly with associated audio data.»

HTML specification 4.8.6. – The video element



```
1 <video
2   src="https://www.videos.dev/001.mp4"
3   poster="https://www.images.dev/videos/demo.jpg"
4   controls
5 ></video>
```




```
1 <video
2   poster="https://www.images.dev/videos/demo.jpg"
3   preload="metadata"
4   controls
5 >
6   <source src="https://www.videos.dev/demo/001.mp4" type="mp4" />
7   <source src="https://www.videos.dev/demo/001.webm" type="webm" />
8   <p>Oh. Seems like your browser does not support videos.</p>
9 </video>
10
```

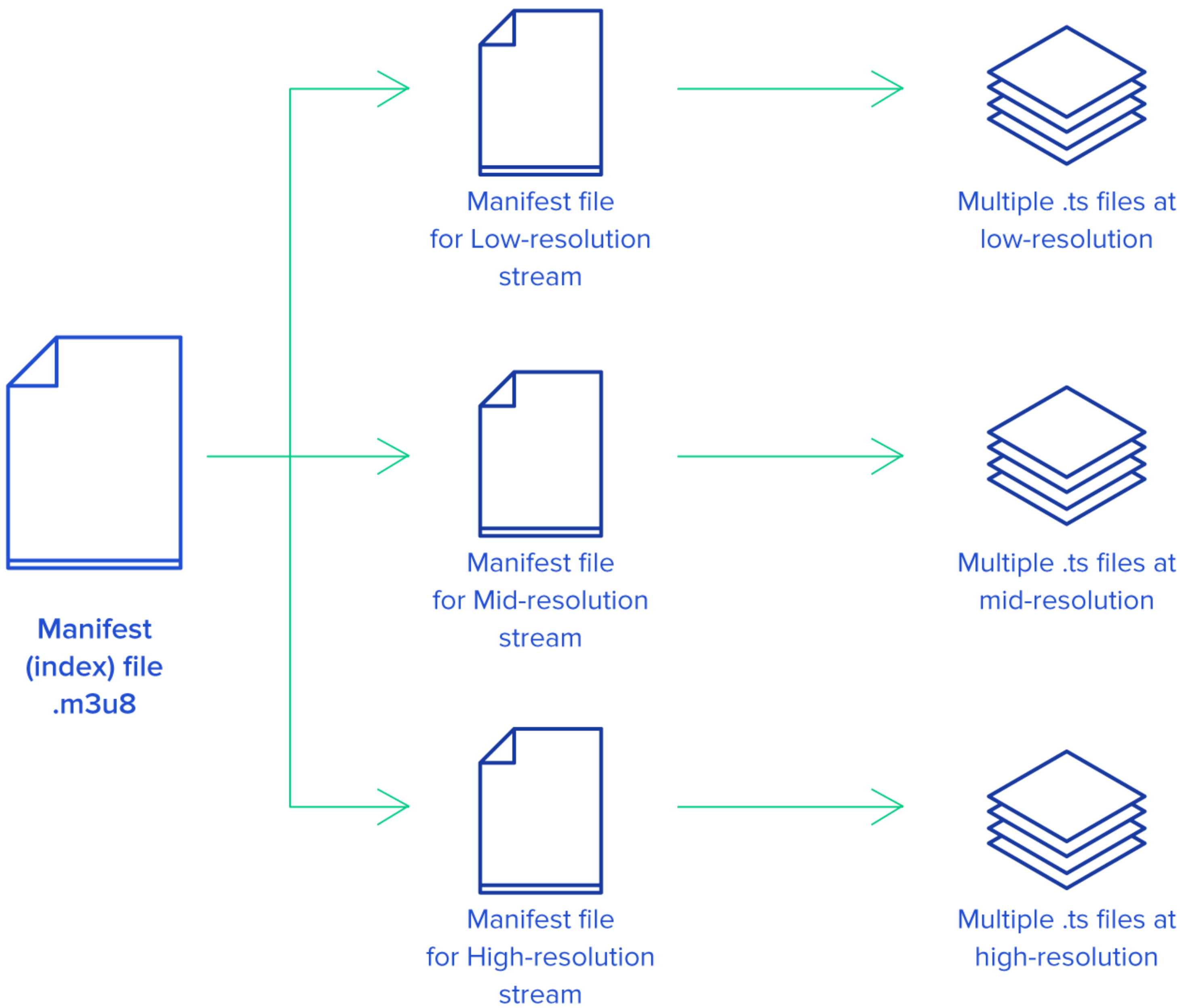



```
1 <video
2   src="https://www.videos.dev/001.mp4"
3   poster="https://www.images.dev/videos/demo.jpg"
4   preload="metadata"
5   controls
6   playsinline
7   autoplay
8   muted
9   loop
10 ></video>
```


HTTP Live Streaming



«HTTP Live Streaming is an adaptive bitrate streaming protocol introduced by Apple in 2009. It uses m3u8 files to describe media streams and it uses HTTP for the communication between the server and the client.»





```
1 <video
2   src="https://d2zihajmogu5jn.cloudfront.net/bipbop-advanced/bipbop_16x9_variant.m3u8"
3   preload="metadata"
4 ></video>
```


Can I Use It?

IE	Edge	FF	Chr.	Saf.	Op.	iOS	0.Mini	And.	Chr/And.
8	14	60	67	10.1	53	10.3		4.2–4.3	
9	15	61	68	11	54	11.0–11.2		4.4	
10	16	62	69	11.1	55	11.3–11.4		4.4.3–4.4.4	
11	17	63	70	12	56	12	all	67	69
	18	64	71	TP					
		65	72						
			73						

Usage Instructions

Most mobile clients support it

Other browsers can learn to use it

«The Media Source Extensions API (MSE) provides functionality enabling plugin-free web-based streaming media. Using MSE, media streams can be created via JavaScript, and played using `<audio>` and `<video>` elements.»

hls.js

Hooks into the Media Source Extensions API

It essentially takes the HLS source and transforms it

Implementation



Data

Videos hosted at Vimeo

HLS manifest retrieved via their API

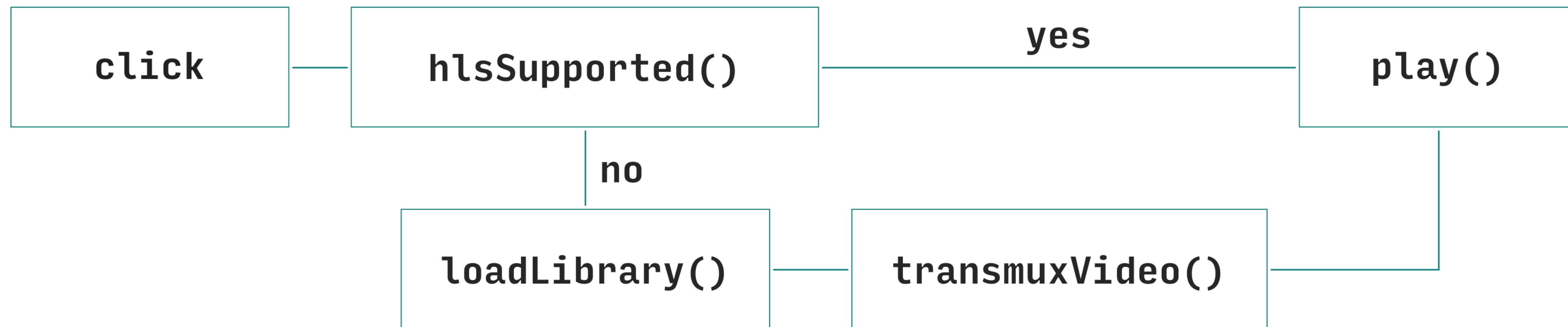
Handling Play



No video with supported format and MIME type found.



```
1 $mediaElement.canPlayType(mediaType)
```

The poster attribute

... and why we don't use it

«The poster attribute gives the address of an image file that the user agent can show while no video data is available.»

–HTML specification 4.8.6. – The video element

Two Problems

Only a single image

Shown while no data is available



```
1 <div
2   class="aspect-ratio-container aspect-ratio-container--16x9 video-container">
3   <video
4     src="https://d2zihajmogu5jn.cloudfront.net/bipbop-advanced/bipbop_16x9_variant.m3u8"
5     playsinline
6   ></video>
7   <div class="video-container__image">
8     
14  </div>
15 </div>
```




Overview

Steps

Comments (8)



Chinese-style fried noodles

★★★★☆ Based on 8 ratings

♡ 2.867 📖 Save

More delicious ideas for you



Soba noodles with
miso-marinated tofu
and vegetables

Small Gestures Can Go a Long Way

What Makes a Gesture

An explicit interaction of the user with the page

Interaction does not have to be targeted at the <video> itself

½ tsp pepper

Metric Imperial

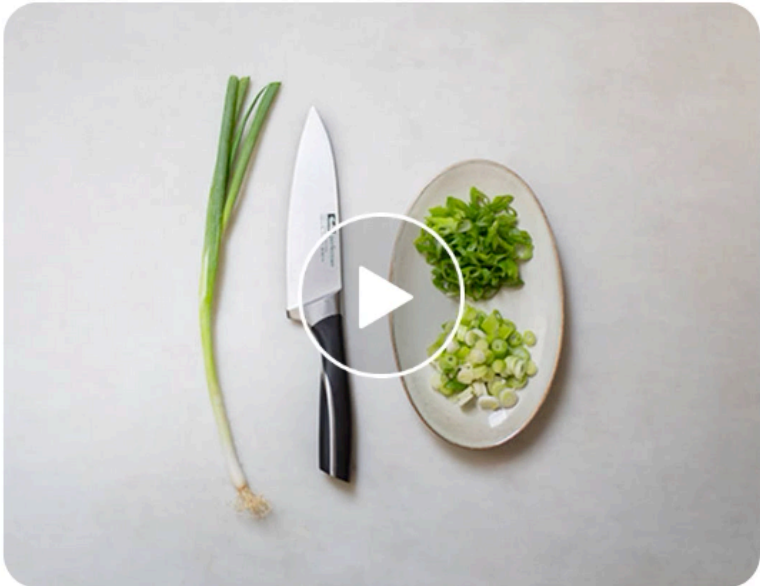
How-To Videos



How to prepare a chili



How to prepare garlic



How to cut green onions

More delicious ideas for you



Carrot miso soup



Crispy roasted Brussels sprouts with soy sauce



Romanesco soup with walnut-mint pesto

One Last Thing



We are hiring.

Frontend Developer

Experience in working with Vue and CSS. A knack for great user experiences and accessibility.

Digital Product Designer

Familiarity with Sketch and prototyping. Advocate for design consistency and delightful user experiences.

We are hiring.

Come talk to me, or take a look at

<https://www.kitchenstories.com/jobs>

Thank you.

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