Thoughts on the app

# Prototyping/POC = there are a couple of things we need to prototype/Prove Conceptually

1. That we can get a youtube video to play in a browser AND that the next video plays automatically. Here are some source code I found

One solution…

HTML:

<video autoplay="1" class="header-video" id="first\_video" preload="1">

<source src="https://brokerage-static.s3.amazonaws.com/assets/marketing/video/RobinhoodHomepageVideoFirst.mp4">

<source src="https://brokerage-static.s3.amazonaws.com/assets/marketing/video/RobinhoodHomepageVideoFirst.webmhd.webm">

<source src="https://brokerage-static.s3.amazonaws.com/assets/marketing/video/RobinhoodHomepageVideoFirst.ogv">

</video>

<video class="header-video hidden" id="video\_loop" loop="1" preload="1">

<source src="https://brokerage-static.s3.amazonaws.com/assets/marketing/video/RobinhoodHomepageVideoLoop.mp4">

<source src="https://brokerage-static.s3.amazonaws.com/assets/marketing/video/RobinhoodHomepageVideoLoop.webmhd.webm">

<source src="https://brokerage-static.s3.amazonaws.com/assets/marketing/video/RobinhoodHomepageVideoLoop.ogv">

</video>

Javascript:

$('#first\_video').bind('ended', function() {

$('#first\_video').remove();

$('#video\_loop')[0].play();

$('#video\_loop').removeClass('hidden');

});

Another solution

<video controls id="myVideo" >

</video>

Then you can store the videos using an array.

var videoSource = new Array();

videoSource[0]='video/video.m4v';

videoSource[1]='video/BigBuck.m4v';

var videoCount = videoSource.length;

You can add the first video src by using Javascript.

document.getElementById("myVideo").setAttribute("src",videoSource[0]);

Create a function to load and play the videos.

function videoPlay(videoNum)

{

document.getElementById("myVideo").setAttribute("src",videoSource[videoNum]);

document.getElementById("myVideo").load();

document.getElementById("myVideo").play();

}

Then you can add an event listener with ‘ended’ as first parameter which detects the completion of the event.

document.getElementById('myVideo').addEventListener('ended',myHandler,false);

function myHandler() {

i++;

if(i == (videoCount-1)){

i = 0;

videoPlay(i);

}

else{

videoPlay(i);

}

}

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1. Get the Disco effect ("music.js" to turn on/off at the click of the button on the screen

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# Database structure – Depends also on Functionality and Form Design

1. Table 1 – Usrers
   1. User\_key - int/autoincrement
   2. Email – varchar 255
   3. First name – varchar 50
   4. Last name – varchar 50
   5. Password (encrypted) – varchar n
      1. Depends upon the encrypting algorithm for size of password string

<https://www.databasejournal.com/features/mysql/how-mysql-protects-your-password.html>

<https://dev.mysql.com/doc/refman/5.5/en/encryption-functions.html>

<https://stackoverflow.com/questions/457193/length-of-encrypted-string>

n + 8 – (n%8)

1. Table 2 – Playlist
   1. Pl\_key – int/autoincrement
   2. User\_key – foreign key to users.user\_key
   3. Pl\_name
   4. Pl\_
2. Table 3 – Playlist Songs
   1. PS\_key
   2. PL\_key
   3. User\_key
   4. Song Name
   5. Song URL
   6. Play time (optional)
3. Table 4 – Playlist Categories (optional)
   1. PL\_KEY
   2. Cat\_Key
4. Table 5 – Category Lookup (optional)
   1. Cat\_Key
   2. Cat Name

# Form Design

1. Main Form
2. Sign in Form
3. Play Form