Video Gallery

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Introduction

This is documentation for how to create a YouTube video gallery in PHP. The purpose of this gallery is to display a single video at the top of the page and have thumbnails for related videos below it. The video at the top of the page is selected from the thumbnail videos at random when the page loads. Click on a thumbnail video will open up a new tab/window to that video. Clicking a thumbnail will not dynamically refresh the video at the top because that would require JavaScript, and implementing custom JavaScript into the Drupal 7 content management system is highly recommended against because it can lead to runtime and load errors.
Preparing the YouTube Video Array

There is only one thing you need to change in the PHP code: the videos in the array. The code will use this array to construct the thumbnails when the page loads. The array is built using the URLs of YouTube videos. The only important aspect of the URL is the unique ID at the very end, highlighted in yellow below:

http://www.youtube.com/watch?v=E41KtZt_YdM

These IDs will be used to populate the PHP array. The format of this particular array is as follows. It is important to follow this format, otherwise errors will occur. The IDs must be enclosed with plain-text quotation marks (use " not “ or ”) and the items must be comma-separated, as below:

$array_ots = array("ID 1", "ID 2", "ID 3");

YouTube stores their thumbnails in the same location for every video. The only difference is the ID. As such, we are access the thumbnails YouTube made of the video and use them for the page. This simplifies the requirements on your end. The only necessity is the video IDs—everything else has been done for you.
Using the PHP Code

Change the text format of your page to PHP mode and copy the following. Make sure to replace $array_ots with the array of YouTube video IDs, as stated above.
Below you will see HTML and CSS in addition to the PHP. Only focus on changing the one line near the top directly underneath the green comment at the top:

```php
<?php
    // only modify the contents of this array, nothing else!
    $array_ots = array("ID 1", "ID 2", "ID 3");
    $vid_ots = rand(0,sizeof($array_ots)-1);
?>

<style type="text/css">
    .vg_ots img
    {
      margin: 0px!important;
      padding: 4px!important;
    }
    .vg_ots p
    {
      text-align: center;
    }
</style>

<div class="vg_ots">
<p><iframe width="700" height="349" src="//www.youtube.com/embed/<?php echo $array_ots[$vid_ots]; ?>?rel=0" frameborder="0" allowfullscreen"></iframe></p>
<p>
<?php
for( $i_ots = 0; $i_ots < (sizeof($array_ots)); $i_ots++ )
{
    if( $i_ots%5==0 && $i_ots!=0 )
        echo "<br/>";
    echo "<a href='http://www.youtube.com/watch?v=$array_ots[$vid_ots]'
        target=_blank><img src='//img.youtube.com/vi/$array_ots[$vid_ots]/1.jpg'></a>";
}
?>
</p>
</div>