CPS530 – Assignment #2

Interactive Website

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Note: The website is located at
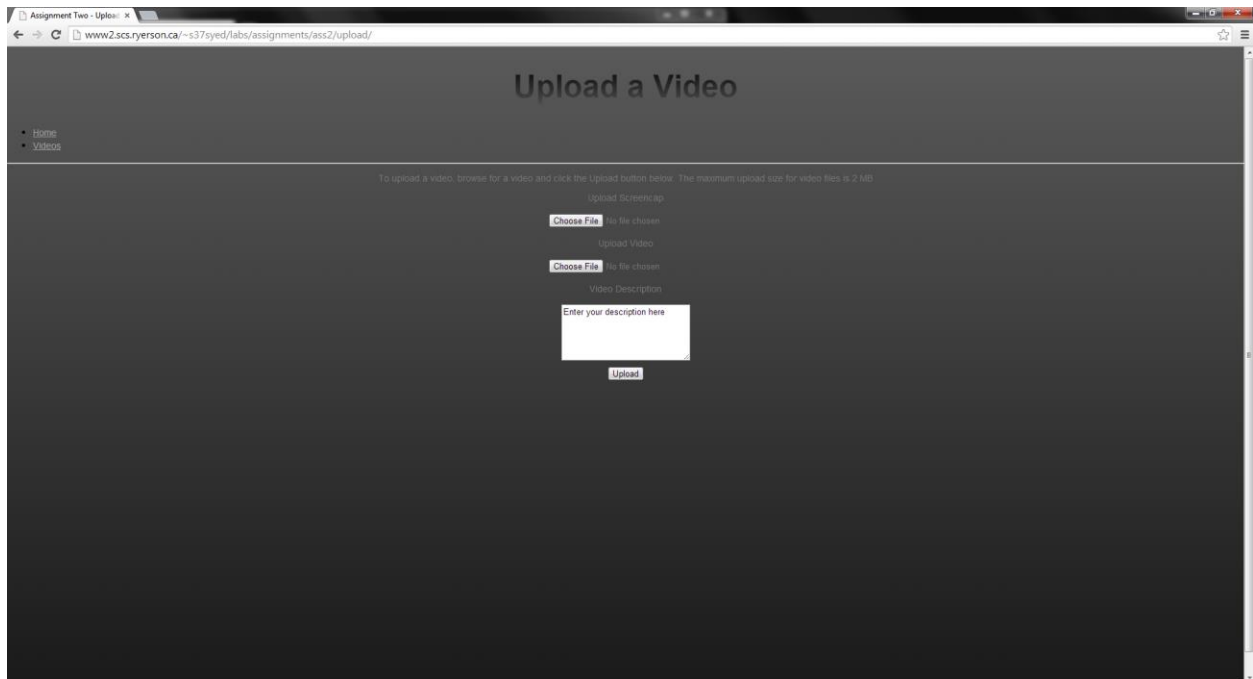
http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2 and is optimized for mobile browsers and Google Chrome 11+

Homepage
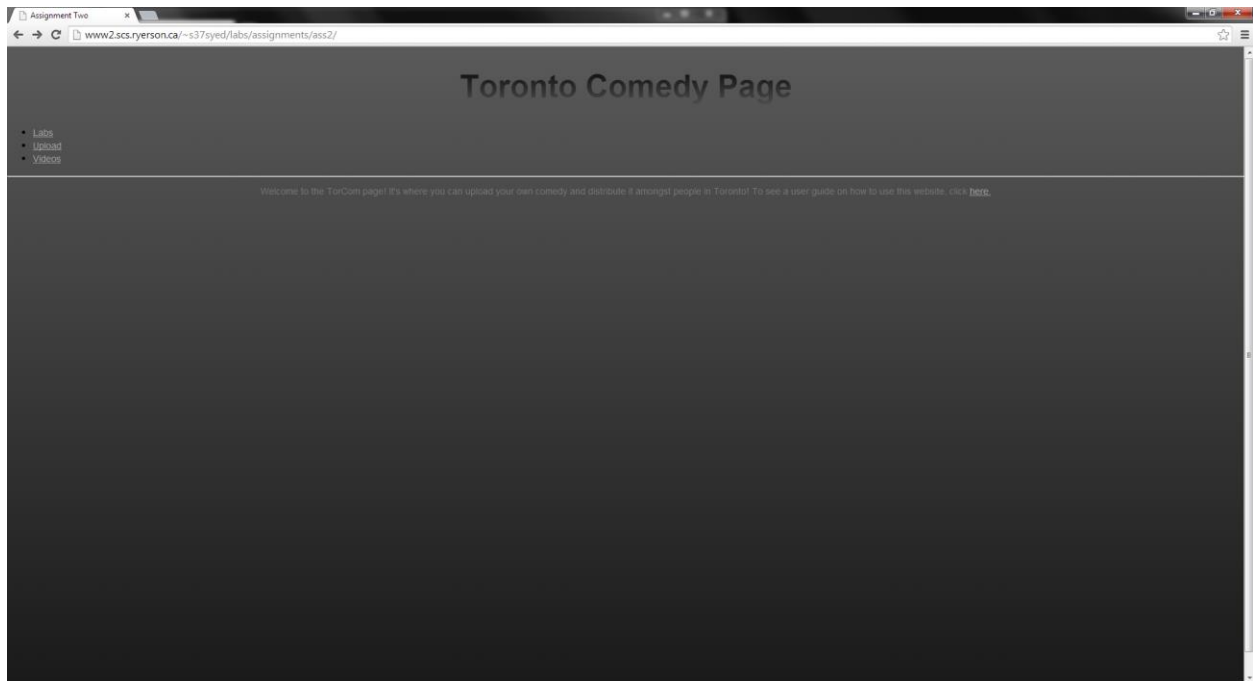
The site home page is where you can navigate to the upload or videos section of the website. A user guide will be linked here for help on how to use the site.

Upload a Video

This is where you can upload a thumbnail image, a video and a description about the video. For all intents and purposes we shall call this information metadata.
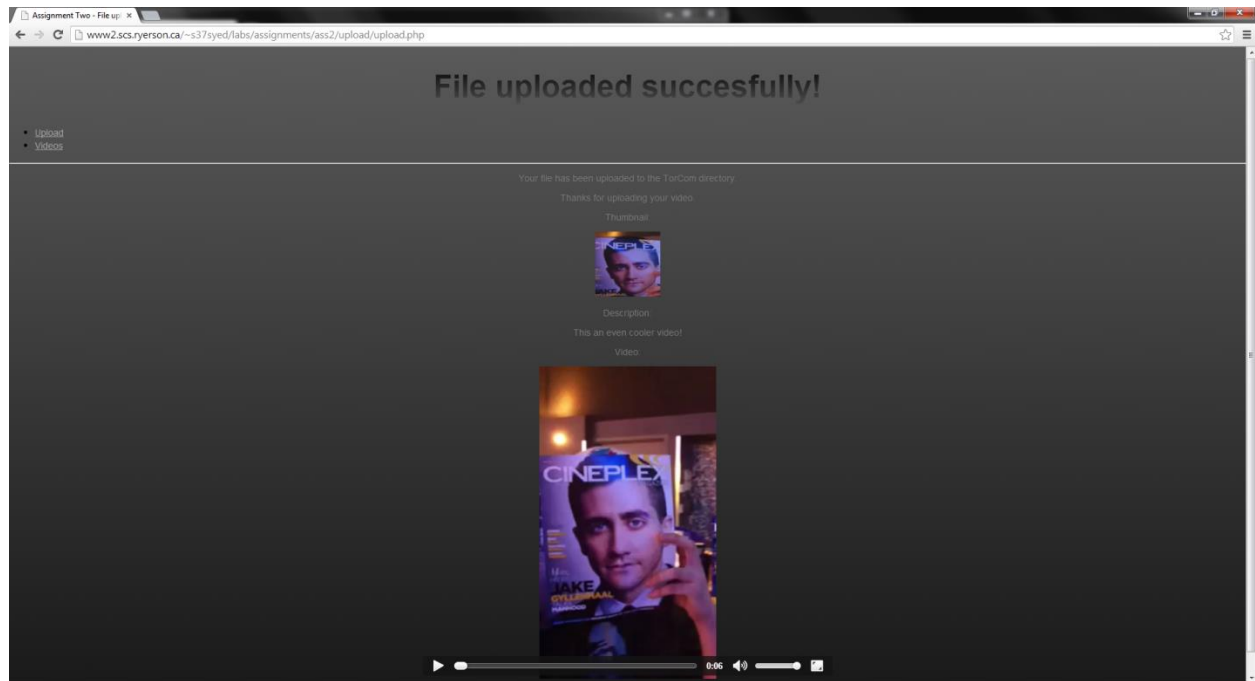
Image file formats supported are: .gif, .jpg, .jpeg, .png, .bmp and .tiff

Video file formats supported are: .ogg and .mp4 only

Click on the choose file button to browse for an image or video respectively. Please use plaintext to write your description about the video in the textbox.
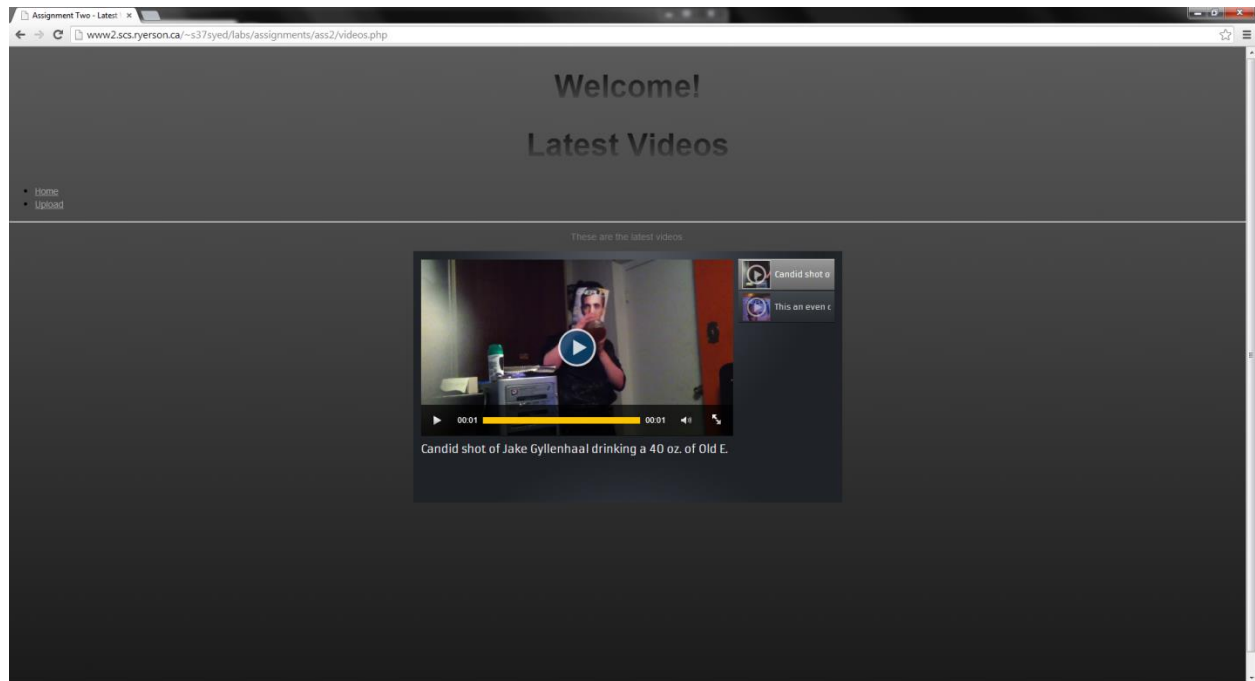
When you are ready to upload the video and its metadata, click to Upload/Send.

Success

If your file has successfully been uploaded you, will be greeted
to a similar screen above. The thumbnail, description and video
will be displayed here to show the user what they have just
uploaded. All the videos uploaded to the server will be looped in
the videos page.

Videos

On this section of the website, you will be greeted and all the videos (and their metadata) will be organized in a convenient video player which loops all the videos in order of the oldest video first.
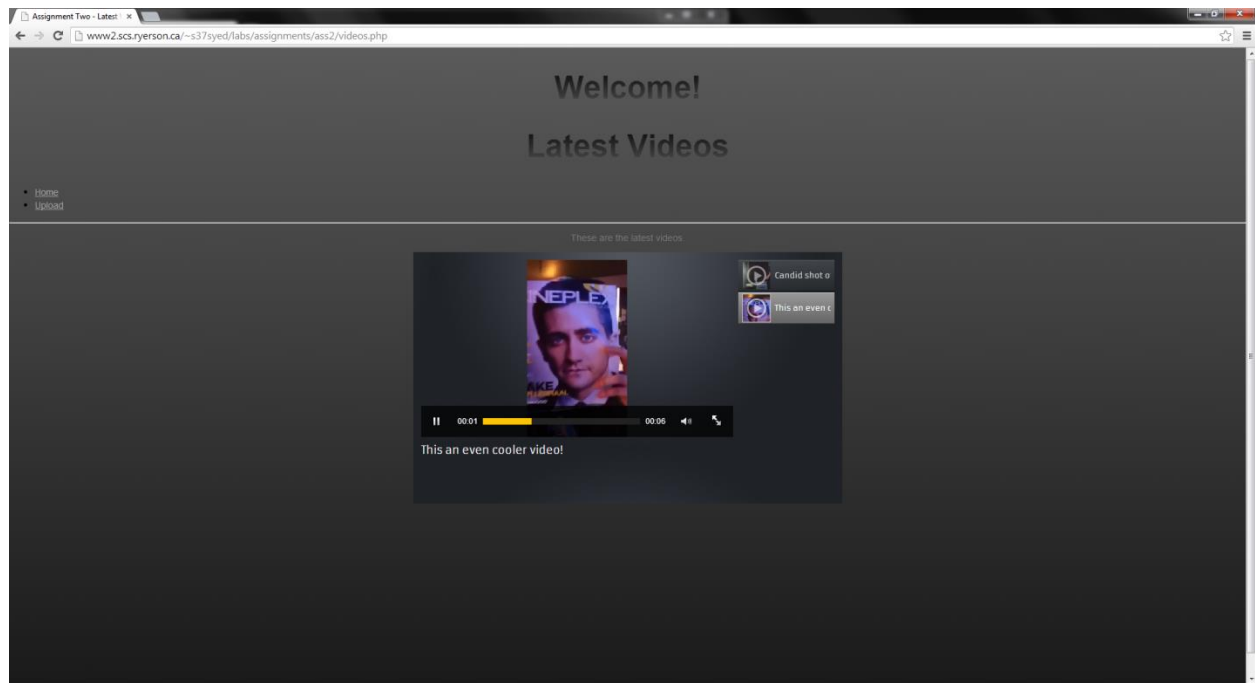
You can hit the left or right arrow to browse for the next and previous video respectively. You can also use the video list on the right to browse videos in order from oldest video first.

Code Printout

labs/assignments/ass2/index.html

```
<!DOCTYPE html>
<html>
<head>
    <link rel="stylesheet" type="text/css"
href="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/s
tyle.css"><meta http-equiv="Content-Type" content="text/html;
charset=utf-8" />
    <title>Assignment Two</title>
</head>
<body>
    <h1>Toronto Comedy Page</h1>
    <ul>
        <li><a
href="http://www2.scs.ryerson.ca/~s37syed/labs/">Labs</a></li>
        <li><a
href="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/u
pload">Upload</a></li>
        <li><a
href="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/v
ideos.php">Videos</a></li>
    </ul>
    <hr>
    <div class="hello">
        <p> Welcome to the TorCom page! It's where you can
upload your own comedy and distribute it amongst people in
Toronto! To see a user guide on how to use this website, click <a
href="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/u
ser_guide.pdf">here.</a></p>
    </div>
    </body>
</html>
```

```
<!DOCTYPE html>
<html>
<head>
    <link rel="stylesheet" type="text/css"
href="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/s
tyle.css"><meta http-equiv="Content-Type" content="text/html;
charset=utf-8" />
    <title>Assignment Two - Upload a Video</title>
</head>
<body>
    <h1>Upload a Video</h1>
    <ul>
        <li><a
href="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2">
Home</a></li>
        <li><a
href="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/v
ideos.php">Videos</a></li>
    </ul>
    <hr>
    <div class="hello">
        <p>To upload a video, browse for a video and click the
Upload button below. The maximum upload size for video files is 2
MB</p>
    </div>


    <form
action="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2
/upload/upload.php" method="post" enctype="multipart/form-data">
        <p>Upload Screencap</p>
        <p><input type="file" name="thumbnail" /><br/>

        <p>Upload Video</p>
        <p><input type="file" name="video" /><br/>

        <p>Video Description</p>
        <textarea name="description" cols="25" rows="5"
style="font-family: Helvetica">Enter your description
here</textarea><br/>

        <input type="submit" name="Upload"value="Upload" />
    </form>
    </body>
</html>
```

labs/assignments/ass2/upload/upload.php

```php
<?php

    //declare local variables for usage
    $upload_dir_videos =
"/home/s37syed/public_html/labs/assignments/ass2/upload/videos/";
    $upload_dir_img =
"/home/s37syed/public_html/labs/assignments/ass2/upload/img/";
    $upload_dir_info =
"/home/s37syed/public_html/labs/assignments/ass2/upload/descripti
on/";
    $upload_desc =
"/home/s37syed/public_html/labs/assignments/ass2/upload/descripti
on/metadata.txt";
    $error = false;



    //this is my function
    //it's a header for html so that repeated code can easily be
called via this header function
    function htmlHeader()
    {
        echo '<!DOCTYPE html>';
        echo '<html>';
        echo '<head>';
        echo '<link rel="stylesheet" type="text/css"
href="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/s
tyle.css">';
        echo '<meta http-equiv="Content-Type"
content="text/html; charset=utf-8" />';
    }

    //error checking

    foreach($_FILES as $name => $file)
    {
        /* error while uploading shit */
        if($name == "thumbnail" &&
!preg_match("/\.(gif|png|jpg|jpeg|bmp|tiff)$/", $file['name']))
        {
            htmlHeader();
            echo '<title>Assignment Two -
Error</title></head><body><h1>Error: Image uploaded was
invalid.</h1><div class="hello"><p>Please go back and try to
upload a valid image file.</p></div></body></html>';
            $error = true;
            break;
            exit;
        }
        if($name == "video" && !preg_match("/\.(mp4|ogg)$/",
$file['name']))
        {
```

```php
            htmlHeader();
            echo '<title>Assignment Two -
Error</title></head><body><h1>Error: Video uploaded was
invalid.</h1><div class="hello"><p>Please go back and try to
upload a valid video file.</p></div></body></html>';
            $error = true;
            break;
            exit;
        }
    }



    if ($error == false)
    {

        $lines = count(file($upload_desc));
        if ($lines == 5)
        {
            $contents = file($upload_desc,
FILE_IGNORE_NEW_LINES);
            $first_line = array_shift($contents);
            $current = implode("\r\n", $contents) . "\n";
            file_put_contents($upload_desc, $current);
            // Write the contents back to the file
        }

        foreach($_FILES as $name => $file)
        {
            if ($name == "thumbnail")
            {
                $target = $upload_dir_img . $file['name'];
                move_uploaded_file($file['tmp_name'],
$target);

                $video_thumb = $file['name'];
                // Open the file to get existing content
                $current = file_get_contents($upload_desc);
                // Append a new person to the file
                $current .= $video_thumb . "\t";
                // Write the contents back to the file
                file_put_contents($upload_desc, $current);

            }
            elseif ($name == "video")
            {
                $target = $upload_dir_videos . $file['name'];
                move_uploaded_file($file['tmp_name'],
$target);

                $video_name = $file['name'];
                    // Open the file to get existing content
                $current = file_get_contents($upload_desc);
                // Append a new person to the file
                $current .= $video_name . "\t";
                // Write the contents back to the file
```

```php
                file_put_contents($upload_desc, $current);
            }
        }
        $video_info = $_POST['description'];
        // Open the file to get existing content
        $current = file_get_contents($upload_desc);
        // Append a new person to the file
        $current .= $video_info . "\r\n";
        // Write the contents back to the file
        file_put_contents($upload_desc, $current);
        htmlHeader();
        ?>
        <title>Assignment Two - File uploaded
succesfully!</title>
        </head>
        <body>
        <h1>File uploaded succesfully!</h1>
        <ul>
            <li><a
href="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/u
pload">Upload</a></li>
            <li><a
href="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/v
ideos.php">Videos</a></li>
        </ul>
        <hr>
        <div class="hello">
            <p>Your file has been uploaded to the TorCom
directory.</p>
        </div>
        <div class="hello"><p>Thanks for uploading your
video.</p></div>
        <div class="hello">
        <p>Thumbnail:</p>
        <p><img
src="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/up
load/img/<?php echo $video_thumb?>" alt="photo" width="100"
height="100"/></p>
        <p>Description:</p>
        <p><?php echo $video_info?></p>
        <p>Video:</p>
        <video class="center" width="640" height="480"
controls>
        <source
src="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/up
load/videos/<?php echo $video_name?>" type="video/mp4">
        <source
src="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/up
load/videos/<?php echo $video_name?>" type="video/ogg">
        </video>
        </div>
        </body>
        </html>
    <?php
```

```
        }
?>


labs/assignments/ass2/upload/videos/videos.php

<!DOCTYPE html>
<html>
    <head>
        <link rel="stylesheet" type="text/css"
href="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass1/s
tyle.css"><meta http-equiv="Content-Type" content="text/html;
charset=utf-8" />
        <script type="text/javascript"
src="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass1/ht
ml5gallery/html5gallery.js"></script>
        <title>Assignment Two - Latest Videos</title>
    </head>
    <body>
        <!-- COOKIE CODE HERE -->
        <?php
            if (isset($_COOKIE["user"]))
            {
                echo "<h1>Welcome back!</h1>";
            }
            else
            {
                setcookie("user", "Guest", time()+3600);
                echo "<h1>Welcome!</h1>";
            }
        ?>
    <h1>Latest Videos</h1>
    <ul>
        <li><a
href="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/"
>Home</a></li>
        <li><a
href="http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/u
pload/">Upload</a></li>
    </ul>
    <hr>
    <div class="hello">
        <p>These are the latest videos.</p>
    </div>
    <div class="center">
        <div style="display:block; margin-left: auto; margin-
right: auto;" class="html5gallery" data-skin="vertical" data-
width="480" data-height="272">
            <?php
                $file =
fopen("/home/s37syed/public_html/labs/assignments/ass2/upload/des
cription/metadata.txt", "r");

                //Output a line of the file until the end is
reached
```

```php
                while ( $line = fgets($file) )
                {
                        $metadata = explode("\t", $line);
                        echo "<a
href=\"http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/
upload/videos/". $metadata[1] . "\"><img
src=\"http://www2.scs.ryerson.ca/~s37syed/labs/assignments/ass2/u
pload/img/". $metadata[0] ."\" alt=\"" . $metadata[2]. "\"></a>";
                }
                fclose($file);
        ?>
    </div>
</div>
 </body>
</html>
```

/labs/assignments/ass2/style.css

```css
/*
 Name: Shahnawaz Syed
 Date: 26/11/2013
 Assignment Stylesheet
*/

html {
    height: 100%;
}

h1 {
    background: -webkit-linear-gradient(#080808, #4F4F4F);
  -webkit-background-clip: text;
  -webkit-text-fill-color: transparent;
  text-align:center;
  font-family: 'Open Sans', Helvetica, sans-serif;
  font-size: 48px;
}
p {
  color:#787878;
  font-family: "Helvetica", Helvetica, sans-serif;
  font-size: 14px;
}
.options {
  text-align: center;
}
.options ul{
  display: inline-block;
}
.options li{
  padding: 2px 5px;
  list-style: none;
}
.hello p {
  text-align: center;
}
```

```css
.center {
    margin-left: auto;
    margin-right: auto;
    display: block
}
a {
  color:#A0A0A0;
  font-family: "Helvetica", Helvetica, sans-serif;
  font-size: 14px;
}
body {
  background-image: -webkit-linear-gradient(bottom, #1A1A1A 0%,
#5A5A5A 100%);
  background-image: -moz-linear-gradient(bottom, #1A1A1A 0%,
#5A5A5A 100%);
    height: 100%;
    margin: 0;
    background-repeat: no-repeat;
    background-attachment: fixed;
}
form {
  text-align: center;
}
```

References

http://html5gallery.com – Heavily modified version of HTML5
gallery box used to beautifully display videos in the videos.php
page. All videos are played in the browser and are played back
using HTML5, stylized with CSS3.