Embedding Panoramas with Panellum

Purpose

This guide will show you how to embed a 360 panorama viewer into your webpage. This is not a complete guide for the bells and whistles available, but is a functional starting point.

Preface

This guide uses the Panellum API (Application Programming Interface) to embed the panorama. You may alternatively use `<iframe>` tags to place your viewer. A tutorial for that method can be found on the Penellum website here.

Step 1 — Image Hosting

Before any webpage shenanigans, make sure the photo(s) you want to use are hosted somewhere publicly accessible. This can be accomplished by using a public Google Drive, Dropbox, or an image hosting site such as Imgur. Then keep track of those url(s)/link(s). You want a link to **the image itself**, not the webpage the image is being displayed on. You can usually tell the difference when it ends in *.jpg*, *.jpeg*, *.png*, etc. For example: *https://imgur.com/gallery/qxrvBJa* vs *https://i.imgur.com/qxrvBJa.png*

Step 2 — Prepare Webpage

A simple working viewer takes minimal setup. If you are working in a visual/drag-and-drop style webpage creation software, find how to get to the page's source code editor. In the <head> tag at the top of the page's *html* file, add the following tags to import the Panellum functionality:

```
<link rel="stylesheet"
  href="https://cdn.jsdelivr.net/npm/pannellum@2.5.6/build/pannellum.css"/>
<script type="text/javascript"
  src="https://cdn.jsdelivr.net/npm/pannellum@2.5.6/build/pannellum.js">
</script>
```

Then, also in the <head> tag, add this `<style>` tag to specify the size of the viewer:

```html
<style>
  #panorama-viewer {
    width: 600px;
    height: 400px;
  }
</style>
```

There are better places to put this styling, and if you know where that is, I encourage you to do so. If you are interested in learning more about styling, checkout the W3 Schools CSS Tutorial.

Step 3 — Place Viewer

The viewer itself takes the form of a simple `<div>` tag:

```html
<div id="panorama-viewer"></div>
```

The placement of this `<div>` dictates where on the page the viewer is rendered.

The following `<script>` tag should be placed at the bottom of the `<body>` tag.

```html
<script>
  pannellum.viewer('panorama-viewer',
    {
      "type": "equirectangular",
      "panorama": "https://i.imgur.com/qxrvBJa.png",
      "autoLoad": true,
      "autoRotate": 5
    }
  );
</script>
```

Congrats!

Figure 1: Example-Page

You should now have a working panorama viewer similar to this one spinning nicely. Like I said in the beginning, this is a minimum viable viewer. If you want to get fancier, Panellum has lots of great features and configuration options.

External Links

You can find examples of additional functionality on Panellum's site here.

You can also find all the configuration options here.

You can see the page above here, and the source code for that page here.