**Website Development Project Log**

***Week 1 (January 3 – January 8, 2022)***

Create a website that will showcase data analyses conducted on historical Olympics data in a visually appealing and interactive manner & generate excitement and enthusiasm for the upcoming 2022 Winter Olympics in Beijing (Beijing 2022)

The following items detail the various activities conducted within the first week of the group project:

**Entertainment/Sensory/Creative Elements**

* Explored sources to obtain visual image for the iconic Olympic rings and successfully obtained image from wikicommons:

Graphical user interface, text, application

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* Explored Beijing 2022 website to consider adding featured images to webpage, similar to Mission to Mars weekly challenge
* Explored how to add maps to website:
  + Google Maps Generator (free) 🡪 you can enter a location, Google maps will find it and then create an embed code for you to enter into HTML code

<https://google-map-generator.com/>

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* Identified one creative, interactive feature that would allow for users to enjoy a unique sensory experience while visiting the website, i.e., allowing users to play the Olympic Fanfare and Theme composed by John Williams
  + Researched into the HTML code for different ways to add audio to HTML code
  + Researched into mp3 and ogg files that could be uploaded to HTML code
  + Researched into different musical performances of the piece
  + Identified a musical recording with historical relevance, i.e., a performance of the Olympic Fanfare and Theme that premiered at the Los Angles 1984 Summer Olympics and was conducted by John Williams, who was also the composer
  + Investigated into different formats that could be added to HTML (e.g., ogg, mp3, YouTube videos)
  + Discovered challenges with cookies in trying to include a YouTube video on a Flask app deployed on a local host
  + Investigated into ways to upload an mp3 file saved on a computer
    - Identified and executed a way to save the mp3 file on Google Drive, generate a website containing the mp3 file through Google Drive, and use the website as the src in HTML code
    - Explored different code options to upload audio files including using <iframe> and <audio>
  + Tested this process by attempting to upload an mp3 file of desired recording on a test webpage
    - Successfully accomplished task for <iframe> but disliked the visual gray background of using <iframe>
  + Began investigating more options for <audio> and Google Drive audio documents for a more visually pleasing audio player
  + Successfully accomplished task 🡪 the webpage exhibits a neat and unintrusive mp3 player that the user can click to hear the desired recording as well as download the music

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**Website Deployment**

* Engaged in discussion with team members and David Wald, TA on 1/8/22 regarding options for website deployment, including understanding what tools and technologies would be needed
  + David explained that Heroku is a web server that can host a website, which would be more advantageous than trying to use a local host
    - The same process of webpage development would still be used with Flask, HTML, and Python files as learned in the UT Bootcamp
  + David agreed to assist Sapana with questions regarding the website and identified himself and Ed as being primary resources for questions about the website.

**Website Development Learning**

* Examined GitHub files used to create two websites developed by previous bootcamp students
  + Explored the NYT GitHub repo as well as the NYT website
  + Identified features that will be useful for website
  + Explored the basic structure for creating a website with multiple pages that the user can access
* Identified website to begin learning how to create a website with multiple pages

<https://www.w3.org/wiki/Creating_multiple_pages_with_navigation_menus>