

Foo Fighters Website

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1 Introduction

The Foo Fighters web app was created in order to allow fans of the foo fighters the ability to stream albums, watch music videos, view social media feeds and see upcoming events all from one website. All albums released by foo fighters can be streamed and a selection of music videos are also embedded from the official youtube channel.

2 Design

The first page of the web application is a "splash-page". The splashpage was created with a black background and an image of the "Concrete and Gold" album art of which the opacity changed when the user hovers over it. This was done to the user would know to click the album art and access the homepage of the web app.

The colour scheme of the web app was based of the latest foo fighters album, "Concrete and Gold". Thus throughout the site a dark grey was used as the background colour and gold was used for any text elements on the pages which provided a high contrast between the background and page elements making the text easier to read. Also arial was the font of choice for the web app as it looks professional, it is pleasing to eye and easy to read.

Users mainly accessed different pages and features of the site through the navigation bar. This was centered at the top of the page as that is the most intuitive position for it. The bar elements also followed the same colour scheme as the rest of the website. However the elements transition to a different colour when hovered over, the text turns to the dark grey and the elements background colour turns to gold. This was done so users can clearly define between the navigation bar elements and know

which one they are clicking on.

The listen page used a HTML table in order to structure the ten albums on the page. The albums art and a header were inside a HTML tag defines element with the header below the album art which is clickable and takes the user to the page for the album. All of the albums are spaced equally and sized the same thus why a table was used. The videos page used a table with the exact same styling but had thumb nails for each video rather than album art.

Each album page contains the album art and a table, designed to look like a list, with each row containing the songs on the album, the track length, a play and pause button. The buttons transition to a larger size so they are easier to click for the user.



Figure 1: **Album Page** - The layout used for each album page

The playing and pausing of the tracks was done by writing a javascript function that takes the mp3s path and stores it. Another variable is used to determine whether that track is currently playing or not. If there was no song playing and the user clicked on play the variable would be set to true and the song would play. The pause button uses the same boolean variable and if a song was playing then the song would be paused and the the boolean set to

false when the button was clicked.

```
<script type="text/javascript">
var isPlaying = false;

var tshirt = new Audio('../static/albums/candg/01. T-Shirt.mp3');
function play_tshirt(){
    tshirt.play()
    isPlaying = true;
}

function pause_tshirt(){
    if (isPlaying = true){
        tshirt.pause();
    }
}
```

Figure 2: **Play and Pause Scripts** - Source code for play and pause scripts

A table was also used to display the information on the events page. This page displayed the even location, venue and date. It also displayed buy buttons that takes the user directly to the ticketmaster page for the event.

3 Enhancements

One of the features that would enhance the web app would be having the bands social media embedded into the website. There is a dedicated page for this on the navigation bar but the page only displays a flash of the foo fighters twitter feed and then disappears. If this was working as intended it would have given users a place to view all the bands social media accounts in one place.

Another feature that could have been added with more time is user accounts. Giving the user the ability to log in and display personalised information and suggestions such as suggested videos or music, the ability to mark favorites and create playlists.

Having a next track button would have been another improvement to the usability of the web app, rather than the user having to manually pause the song and play the next one. This also could have led to the songs automatically playing when one finishes. A scrubbing bar would also have allowed users to skip parts of tracks and show how long each song had left to run.

With more time a store could have been implemented which sells band merchandise. This could have included filters to on display a certain product type along with shopping cart that showed each indiviual item, the items cost and the total cost.

4 Critical Evaluation

One of the things done well is the use of tables. Using tables has greatly improved the look of the site and structured the information in such a way that it is extremely easy for users to understand. Having each row transition to a different colour also has improved the readability of the site.

A feature that is well implemented is music playback. Using a small script and buttons has allowed the ability for users to play a track, pause the track and then play the track again from the point at which it was paused. However the site allows as many tracks to played at once as the user wants which can sound awful.

The home page of the site is quite plane and doesn't do anything but show a image and two music videos. This should have been improved to actually provide some functionality. It also isn't styled very well but was the first page I designed.

5 Personal Evaluation

Overall I am extremely happy with what I have created. Looking through the source code alone shows improvement throughout the websites development. I've learned how to use classes, almost everything I know about CSS has come from this coursework, my javascript functions were developed myself after doing some syntax research. Using html tables has been a massive part of the development of this web app and i can confidently implement them into any situation that would be suitable. I have built a good base of knowledge for developing websites now however, I only really used flask for routing urls and used javascript for implementing any functionality into my page elements.