IFSC 4396 Capstone I

Analysis and Design Report

Arkansas Musicians Project Proposal

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Project support: Professor Pierce and Mr. Bauer

Executive summary of the project

The purpose of this project is to promote Arkansas musicians and music by designing a website that provides information and songs by artists who have tie to the state Arkansas.

Background

Arkansas has been the home of several world-known musicians, however even many of Arkansas residents are not aware of those musicians' tie to the state. Arkansas Economic Development Commission wants to promote the music industry in Arkansas by designing an interactive website that has a list of popular musicians from the state of Arkansas. The website will also contain information about musician, a list of their songs and how those individuals are tied to the state of Arkansas.

Project Scope

The website should be visually appealing and easy to find for those looking for information about Arkansas musicians. When click on musicians, it displays a biography of musicians and how they are related to Arkansas in different languages. It also displays the genre of their music and a list of their works including albums and singles that are provided if they are visible. Also, by clicking on each album, it displays a list of songs in that album.

Target Audience

Everyone who is interested in music but primarily 14-40 years old music lovers.

Future Upgrades

Client wants to make sure they can keep up with usage and track with analytic and they are hitting the target audience and website performing as they expect. Ability to merge new artists in website is another important administrative task to be considered. This can be done either directly by the project manager or suggested by users and appears on the website upon approval of the manager.

Database

www.Audiodb.com will be the database for this project. AudioDB is a major repository of audio metadata that has a full list of all visible musicians. Among all artists, those that have tie to Arkansas will be used for the current project. Most of the contents for every musician can be retrieved for Arkansas artists and their work.

Constraints

- This project has a budget of zero that limits us to use only free resources while building this webpage
- This project's timeline must follow the proposed timeline and completed prior to end of next semester
- The scope of this project must be realistic for a single developer

Proposed timeline

Project Start	10/23/2021
Complete Project charter	12/5/2021
Design initial website with access to the Arkansas musicians' database	01/01/2022
Making the website look nice and user friendly	01/11/2022
Adding multiple pages to display albums and singles	01/21/2022
Tracking visitors and statistics	02/01/2022
Capability of adding a new singer by manager or users after approval	02/21/2021
Complete testing	03/14/2022
Lunching final website	04/05/2022

Website Design

I am using WordPress for the website design. It is free and has dozens of customizable designs and themes. The home page of my website has a big picture of a famous Arkansas musician in the background. The chart below illustrates the options that are included on the website. It offers audience a list of the most popular songs, today's pick that has a random selection of songs or new songs, a gallery that has pictures of famous musicians' life and performances, events that list the upcoming concerts or other events that are related to music or musician from Arkansas. It also has an option for users to add new artist where they can suggest an artist with tie to Arkansas. It notifies the website

admin and upon approval will displays the suggested artist. It also has "About" that displays the scope and a summary of the project. There is also a "Contact" section where the audience can communicate and send their feedback to website admin.

The website has three different ways for searching an artist or a song:

1. Genres: user can click on "Genres of Music" and select among different genres. By clicking on each genre, it filters the artists and shows a list of artists in that genre in an alphabetical order in a new page.

2. By clicking on "Artist" it displays a full list of artists in an alphabetical order wit an index to artist by clicking on the letter that artist name starts with.

3. Search option, where user can directly search the name of the artist and find the artist

No matter which search method is used, after finding an artist, by clicking on his/her name it provides biography, a full list of albums and media news about the artist. By clicking on albums, a new page will appear that has all the tracks, and information about that album.

The website also uses "Google Analytics" to keep track of number of visitors.