

IFSC 4396 Capstone I
Analysis and Design Report

Arkansas Musicians Project Proposal

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Project Sponsor: Thomas Wallace

Project support: Professor Pierce and Mr. Bauer

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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.

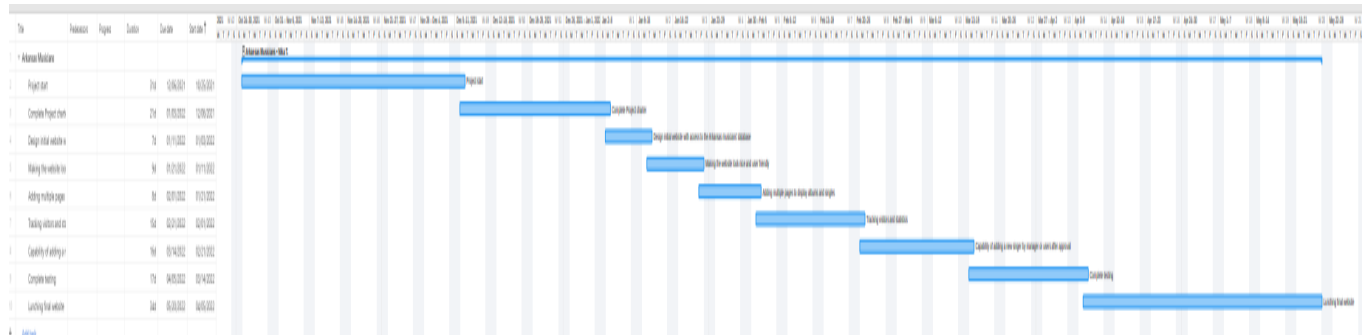
Constraints

- 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

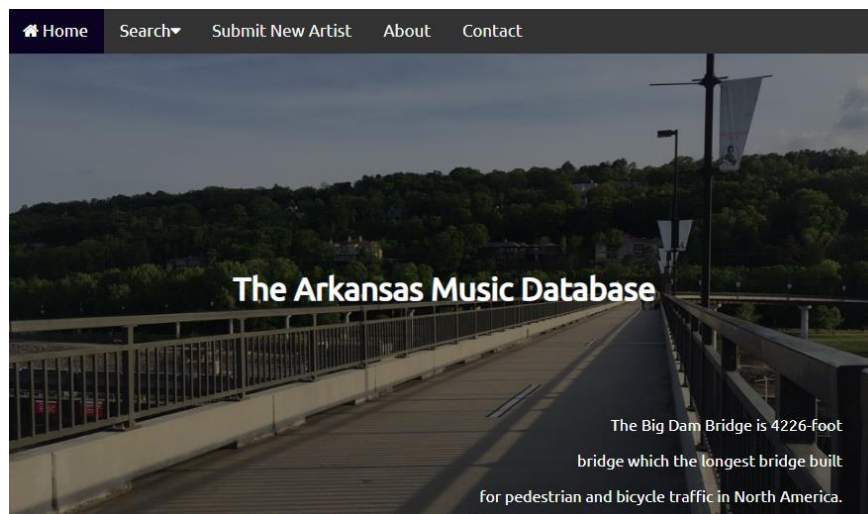
Project Start	10/23/2021
Complete Project charter	12/5/2021
Design initial website with access to the Arkansas musicians' database	01/01/2022
Making the website look nice and user friendly	01/11/2022
Adding multiple pages to display albums and singles	01/21/2022
Tracking visitors and statistics	02/01/2022
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

Gantt Chart of timeline



Website Design

The HTML, CSS, and Java Script were used to develop the website, perform the search queries, and maintain the website database. These tools were used because they are open sources. The website home page has a big picture of the Big Dam Bridge located in Little Rock AR which is longest bridge built for pedestrian and bicycle traffic in North America as the background.



The website offers audience a list of the most popular Arkansas artists along with their biography, their banner, artist photos, and list of their albums. It also has an option for users to add new artists where they can suggest an artist with tie to Arkansas to be added to the website. It notifies the website admin and upon approval, the suggested artist will appear on the website.

This following screen shot shows the process of suggesting a new artist by users. User will answer to this required fields to submit a new artist for admin's review.

The screenshot shows a web application with a dark navigation bar at the top containing links: Home, Search, Submit New Artist, About, and Contact. Below the navigation bar, the page title 'Submit New Artist' is centered. A message states: 'We source our artist data from AudioDB.com. If you know of an artist that is missing from this database, please help out.' Below this, a user profile section shows the email 'htavasoly@ualr.edu (not shared)' and a 'Switch account' link. The form contains two required input fields: 'Email' and 'Artist's name', both with 'Your answer' as placeholder text. A purple pencil icon is visible at the bottom right of the form area.

The website 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 screenshot shows the 'About Page' of the website. The navigation bar is the same as in the previous screenshot. The page title 'About Page' is centered. Below it, a paragraph describes the website's purpose: 'This website allows people from all around the world to find out relevant information about Arkansas musicians and their songs. It offers audience a list of the most popular Arkansas artists along with their biography, their banner, artist photos, and list of their albums.' Below this, there are sections for 'Update' and 'Attribution'. A 'Contact' modal is open, displaying the following information: 'Web Admin: Nika Tavasoly', 'Email: htavasoly@ualr.edu', and 'Tel: 8329312713'. The modal has a close button (X) in the top right corner.

The website has search option which has a list of Arkansas Artists. By choosing the artist from drop down menu and click on the search button, the user can see the information related to the artist including a picture, artist's origin, biography, and list of albums and tracks. The following screen shot shows an example of data that are retrieved for Collin Raye.


[Home](#) [Search▼](#) [Submit New Artist](#) [About](#) [Contact](#)

Select an artist from the dropdown list.


Click the "Search" button to see information about the selected Artist.

Choose an Artist:

Artist Banner



Artist Image



Artist Origins

De Queen, Arkansas, USA

Artist Biography

Floyd Collin Wray (born August 22, 1960 in De Queen, Arkansas) is an American country music singer, known professionally as Collin Raye. He made his debut on the American country music scene in 1991 with the release of his debut album All I Can Be, which produced his first Number One hit in "Love, Me". All I Can Be was the first of four consecutive albums released by Raye to achieve platinum certification in the United States for sales of one million copies each. He maintained several Top Ten hits throughout the rest of the decade and into 2000. 2001's Can't Back Down was his first album that did not produce a Top 40 country hit, and he was dropped by his record label soon afterward. He did not record another studio album until 2005's Twenty Years and Change, released on an independent label. Between 1991 and 2007, Raye charted 30 singles on the U.S. country charts; he has also charted twice on the Adult Contemporary format as a duet partner on two Jim Brickman songs. Four of Raye's singles have reached Number One on the Billboard country music charts: 1992's "Love, Me" and "In This Life", 1994's "My Kind of Girl", and 1998's "I Can Still Feel You". He has also recorded a total of eleven studio albums, counting a Christmas album and a compilation of lullabies, in addition to releasing a Greatest Hits compilation, a live album, and a live CD/DVD package. His most recent album, Never Going Back, was released via Saguaro Road Records on April 28, 2009.

Album List

The Walls Came Down (1998)
Counting Sheep (2000)
In This Life (1992)
Tracks (2000)
All I Can Be (1991)
Can't Back Down (2002)
Twenty Years and Change (2005)
Fearless (2006)
I Think About You (1995)
Extremes (1994)
The Gift: Christmas (1996)
Never Going Back (2009)
Still on the Line - The Songs of Glen Campbell (2013)
The Best of Collin Raye: Direct Hits (1997)

First Album Tracks

Anyone Else
I Wish I Could
Start Over Georgia

References

1. W3Schools Online Web Tutorials, www.w3schools.com
2. "Where the World Builds Software. GitHub", www.github.com
3. The Audio Database, www.theaudiodb.com