Capstone 1

Analysis and Design Report

Arkansas Music Makers Project

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Table of Content

Organization Background

Arkansas Economic Development Commission is to create economic opportunity by attracting higher paying jobs expanding and diversifying our state and local economies, increasing incomes and investment, and generating growth throughout Arkansas.

Analysis & Planning

Current Problem

Arkansas Economic Development Commission (AEDC) would like a website that would showcase Arkansas homegrown talent that in the music industry or has ties to Arkansas. This website would help create tourism to the state of Arkansas and income for upcoming music evens.

The Arkansas Music Maker website should be linked to AEDC website.

Current System

AEDC website has no current link to any music website or webpage that shows Arkansas talent or ties to the entertainment industry.

Propose System Requirements

AEDC would like to have a website created that would showcase the musical talent from the state of Arkansas or music that has ties to Arkansas. This website would have list of musicians that is connected to an audio data base that has information about the musician along with a list of that musician work. This website would be built in a platform like WordPress. The application utilized to form the website design for the page would be HTML, CSS, and JavaScript.

Constraints

The only constraints is finding free resources while building this webpage. Along with some time constraints may occur working on the website. Their maybe only 10 hours a week be dedicated to the project.

Proposed Schedule

This schedule is to be used to show each phase of the Arkansas Music Makers Project. If there are any changes to the schedule the client will be notified of the changes.

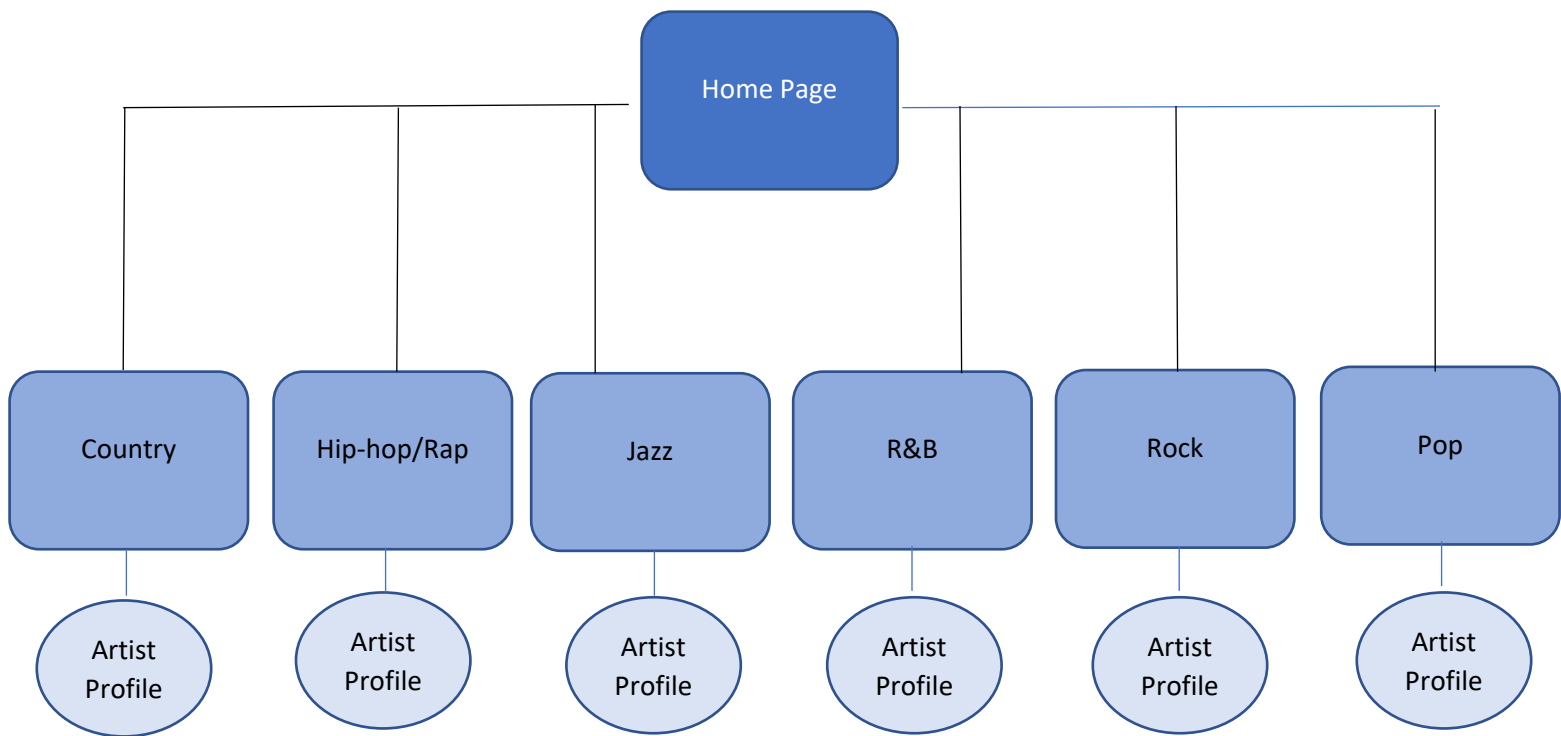| 1	Start Project Solution Design	20 days	8/9/21	9/3/21
2	Acquire Hardware / Software	10 days	9/4/21	9/17/21
3	Start Solution Simulation w/ New Hardware/ Software 10 days		9/18/21	10/1/21
4	Full Solution Simulation and Testing	25 days	10/2/21	11/5/21
5	Deploy Solution	20 days	11/6/21	12/3/21
6	Project Complete	1 day	12/6/21	12/6/21

Design

Database

The Arkansas Music Makers project will be using linked to TheAudioDB, a community driven database of audio metadata. It is to be used as the most simple and accurate source of music data. It's a repository of data that can be used in various types of software to make its viewing experience more visually appealing.

Design and Layout

The Arkansas Music Maker website main page will be the home page for the website. The home page will have a navigation bar that is a list of links to other pages on the website. That list of links in the navigation bar it home page, Genres, Evans, About page link and a Search bar. The home page will also have six panels that has six genres of music. Those genres are Country, Hip-hop and Rap, Jazz, R & B, Rock and Pop. Those six panels are linked to that genre's page with a list of artists that are connected to Arkansas. That artist name is linked to it's on page with information about that artist, along with a list of their work.

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  Profile)  Profile)   Profile) Profile) Profile) Profile)
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Hosting

The Arkansas Music Maker website would us a free web hosting platform like WIX or Bluehost. A hosting site the is compatible with a music website or a web host that is affordable to the site.

Implementation

Testing

When the Arkansas Music Makers website go into testing. The website would be tested for function, usability, performance, security, and compatibility.

Maintenance

Updates

The Arkansas Music Makers website will be updated once a year. That update would be to upgrade the program, add new artist profile to the website, and update security as needed.