**Project Charter Plan**

**<Arkansas Movie Database>**

**UALR**

**2801 S. University Ave.**

**Little Rock, AR 72204**

**Date 9/30/2020**

**Table of Contents**

[Executive Summary 3](#_Toc332021424)

[Project Purpose/Justification 3](#_Toc332021425)

[Business Need/Case 3](#_Toc332021426)

[Business Objectives 3](#_Toc332021427)

[Project Description 4](#_Toc332021428)

[Project Objectives and Success Criteria 4](#_Toc332021429)

[Requirements 4](#_Toc332021430)

[Constraints 5](#_Toc332021431)

[Assumptions 5](#_Toc332021432)

[Preliminary Scope Statement 5](#_Toc332021433)

[Risks 6](#_Toc332021434)

[Project Deliverables 6](#_Toc332021435)

[Summary Milestone Schedule 6](#_Toc332021436)

[Summary Budget 7](#_Toc332021437)

[Project Approval Requirements 8](#_Toc332021438)

[Project Manager 8](#_Toc332021439)

[Authorization 9](#_Toc332021440)

# Executive Summary

Arkansas is unique in that it can provide film producers a variety of different types of natural settings without requiring much travel. Arkansas has also been the filming location for some famous movies. But unfortunately, not enough film producers seem aware of the benefits of filming in Arkansas, or of the connections between Arkansas and famous works. This project aim is to rectify these issues by creating a website that will feature Arkansas’s connection to the filming industry.

# Project Purpose/Justification

## Business Need/Case

Arkansas is very diverse in the type of natural settings it can provide film producers, making it unique. This diversity of natural settings would ultimately save film producers money by reducing the amount of travel necessary for them to complete their projects. In addition, Arkansas already has some recognition within the filming industry, seeing as how famous movies such as the cult classic sling blade were filmed in Arkansas.

## Business Objectives

The business objectives for this project are in direct support of our strategic plan to obtain a higher level of interest, in Arkansas, by film producers, in order to ultimately get a measurable increase in the number of films being produced in the state of Arkansas.

* Design a new website promoting Arkansas as a prime filming location by the end of capstone 1.
* Build, test, and deploy the website by the end of capstone 2.
* Increase the amount of films produced in Arkansas by x amount over y years.

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# Project Description

The website we intend to build will showcase Arkansas’s potential as a filming location by allowing users to search for and obtain information about Arkansas and the films produced within it, in an attempt to increase the amount of films made in Arkansas. The website will achieve this by querying data from an established database, via an API, and then neatly displaying the retrieved data onto the website.

## Project Objectives and Success Criteria

The objectives which mutually support the milestones and deliverables for this project have been identified. In order to achieve success on the Arkansas Movie Database project, the following objectives must be met within the designated time and budget allocations:

* Design website and have client approve it by the end of capstone 1.
* Make charts to support work schedule such as gantt, WBS, PERT… by the end of capstone 1.
* Document all work and have it organized to be presented by end of capstone 1.
* Build prototype of website during capstone 2.
* Test prototype website during capstone 2.
* Fully deploy website by the end of capstone 2.
* Further Compile work documents, to be presented once the project has been successfully completed, before the end of capstone 2.

## Requirements

This project must meet the following list of requirements in order to achieve success.

* Users must be able to navigate the website using a mobile device.
* The Website must be responsive and not take too long to load pages.
* The website must be able to interact with the DB.
* The website must be able to display data from the DB.
* The website must be able to format the data from the DB.
* The data on the website must be clearly displayed.
* WBS, gantt, and PERT charts are necessary to outline work schedule.
* The website’s design needs to be approved by Thomas Wallace.

Additional requirements may be added as necessary, with project sponsor approval, as the project moves forward.

## Constraints

The following constraints pertain to the Arkansas Movie Database:

* The website must be fully designed by the end of capstone 1.
* The website must be fully built, tested, and deployed by the end of capstone 2.

## Assumptions

The following are a list of assumptions. Upon agreement and signature of this document, all parties acknowledge that these assumptions are true and correct:

* The purpose of this project will be communicated through the client prior to deployment.
* The database will be kept up to date.
* The data in the database is accurate.

## Preliminary Scope Statement

This project involves designing, building, and testing a website whose primary function is to retrieve data from a preexisting database, by means of an API, and then neatly display it. The website will be built using programming Languages such as HTML5, CSS, PHP, and Javascript. The designing of the Arkansas Movie Database website will take place during capstone 1. While the construction and testing of the website will take place during capstone 2. The Arkansas Movie Database should be fully deployed by the end of capstone 2. A presentation and report are expected at the end of each semester to evaluate the projects progress and success.

# Risks

The following risks for the Arkansas Movie Database project have been identified. The project manager will determine and employ the necessary risk mitigation/avoidance strategies as appropriate to minimize the likelihood of these risks:

* If we lose access to the database, then our website is pretty much useless.
* If the data in the database is not correct there could be liability issues.

# Project Deliverables

The following deliverables must be met upon the successful completion of Arkansas Movie Database. Any changes to these deliverables must be approved by the project sponsor.

* Fully designed, constructed, and deployed website.
* Technical documentation for using the Website.
* Any other documents pertaining to the Arkansas Movie Database project, such as gantt, PERT, and WBS charts.
* Recommended list of possible future website functionalities.

# Summary Milestone Schedule

The project Summary Milestone Schedule is presented below. As requirements are more clearly defined this schedule may be modified. Any changes will be communicated through project status meetings by the project manager.

|  |  |
| --- | --- |
| **Summary Milestone Schedule – List key project milestones relative to project start.** | |
| **Project Milestone** | **Target Date (mm/dd/yyyy)** |
| 1. Project Start | 09/30/2020 |
| * Complete Approved Website Design | 10/21/2020 |
| * Create Schedule by making gantt, PERT, and WBS charts | 11/04/2020 |
| * Compile Work Documents, Make Presentation, and submit Report | 12/19/2020 |
| 1. Complete Construction of Prototype using Chosen Design | 02/19/2021 |
| 1. Successfully Connect website to The Movie Database using an API | 02/26/2021 |
| 1. Complete Website Simulation and Testing | 03/26/2021 |
| 1. Deploy Website | 05/01/2021 |
| 1. Project Complete | 05/15/2021 |

# Summary Budget

The following table contains a summary budget based on the planned cost components and estimated costs required for successful completion of the project.

|  |  |
| --- | --- |
| **Summary Budget – List component project costs** | |
| **Project Component** | **Component Cost** |
| 1. Personnel Resources | $ |
| * Hardware | $ |
| 1. Software and Licensing | $ |
| 1. IT Lab Preparation | $ |
| **Total** | **$** |

# Project Approval Requirements

Success for the Arkansas Movie Database project will be achieved when a fully tested web solution, and all technical documentation, is fully deployed within the time and cost constraints indicated in this charter. Additionally, this measure of success must include a recommendation list for future websitefunctionality considerations**.** Success will be determined by the Project Sponsor, Thomas Wallace, who will also authorize completion of the project.

# Project Manager

John Mitchell is named Project Manager for the duration of the Arkansas Movie Database Project. Mr. Mitchell’s responsibility is to manage all project tasks, scheduling, and communication regarding the Arkansas Movie Database project. His team, consisting of himself and possibly other UALR EIT undergrad students. Mr. Mitchell will coordinate all resource requirements through the EIT department manager, Bruce Bauer. Mr. Mitchell is authorized to approve all budget expenditures up to, and including, the allocated budget amounts. Any additional funding must be requested through the Project Sponsor, Thomas Wallace. Mr. Mitchell will provide updates to the project sponsor as milestones are completed.

# Authorization

Approved by the Project Sponsor:

Date:

<Project Sponsor>

<Project Sponsor Title>