

Project Two: A Music Application

Dr. Charles M. Sheaffer

March 28, 2015

Introduction

This project involves creating a complete Web application (just short of deployment). It includes the use of the entire MEAN stack: MongoDB (or alternative), Express, Angular, and Node.

1 The Project

A skeletal outline of a project is provided in the folder `Music`. Use the files in this folder as a starting point for a robust application that implements additional features, cleans up and expands the interface, fixes bugs — essentially any of the things we discussed in class or that appear on the list in homework #3. You may also expand on this list in any way that you like. You will need to document the tasks that you set for yourself. (See section 2.)

You must use Angular in your project. You must also use a database of some kind, though it need not be MongoDB. For example, you may use Redis or MySQL or some other database management system. You must also set up a server using Express that loads your `index.html` automatically. The provided code already does several of these things.

2 Documentation

Your project is to include documentation as follows:

- A user's guide describing the user interface.
- A description of the technologies used (HTML, CSS, Angular, etc.).
- A description of each source file (html, css, js, etc.), including the purpose of the file and how it fits into the overall project.
- A work log describing in detail any problems that were encountered and what you did to solve them. Be detailed and specific in your descriptions. The log should begin by describing the initial tasks you set for yourselves and any additional tasks that you took on.

3 Grading

Your grade will be based on:

technical competence	60%
use of the required elements (HTML, CSS, Angular, DB)	10%
documentation	15%
creativity	15%

4 Submission

The project is due Friday, April 24, 2015 at 11:55pm. Submit a zipped folder of your files to Moodle. Submit only one copy of your project. Note that all members of a team will receive the same grade on the project.