

## Assignment 1 – Select Project Topic

Topic for semester-long projects and assignments:

1. *What kind of website would you like to build? What kind of mobile app would you like to build?*

I would like to create a website and a mobile app that help the user access information on popular recorded music. There will be a music database and a corresponding mobile app that will work together to locate songs for the user to purchase.

The mobile app will have the capability to search for music titles and artists even if the user does not know all details on the piece of music, such as the artist's name or the year the song was released. For example, if the user knows some of the lyrics to a song but no other information, they can look up that song using the app by either singing directly into their phone or typing in some lyrics.

Once the musical artist and song are chosen using the app, there will be a link to the music website where the user can locate more information, including how to download or stream the selection.

2. *Who would your targeted audience be for the website?*

The target audience will vary in age, gender, ethnicity, and background, from the casual music fan who may listen to music using streaming apps and wants to add a song to their playlist, to musicians who are searching for specific songs to use as a practice tool to improve their musical skills. The only requirements are knowing how to use a computer and cellular phone to access the website and the app.

3. *How have you created web sites in the past? Examples – IMM 120 projects, personal websites, websites for other people. Provide details on the topic, how many pages, what kind of navigation, if it was responsive... etc.*

During IMM120 – Web Design, I created sample responsive websites using standard HTML and CSS in Adobe Dreamweaver. Most of the practice web pages were 1-5 pages in length and were directly from the class textbook. For my final project, I created a 24-page website with images, text, and sound that featured musicians who worked directly with Ozzy Osbourne.

Music is a big part of my life, so since starting the IMM certification program, my final project subjects have all revolved around music in some way.

4. *Who would your targeted audience be for the mobile app?*

The target audience for the mobile app is the same as it is for the website – a variety of users from different backgrounds who are interested in locating more information about music artists and their songs.

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5. *How have you created mobile applications in the past? e.g. – MIT App Inventor, native iOS app, native Android app, etc. Provide details on the topic, how many screens in the mobile app and their functions, what kind of navigation... etc.*

During DRP101 – Introduction to Computer Science, I created mobile applications using the MIT App Inventor. Most of the mobile applications completed in class were simple games (Dice Game App, Service Bell App, etc.) that included 1-2 screens using a top or bottom navigation bar. For my final project, I created a music trivia quiz with 12 screens and a bottom navigation bar that included 4 trivia questions with text and images.