To complete the second step of our class project, I will expand upon my chosen project. Of the three project ideas I developed in the first step, I have chosen to proceed with my second idea, which is to create a website and online store for my wife’s podcast. I will discuss the purpose of the software, an overall description of the high-level functional requirements of the software (that is, what the software will actually do), a survey of the relevant literature available that will assist me in completing my project, a short discussion of similar software, and a brief discussion of my project plan.

**Podcast Website and Online Store**

My wife is creating a podcast titled “Thank You for Your Service” or TYFYS. She wants to have a website that her followers can access to listen to current and past episodes, as well as have access to an online store where followers can purchase TYFYS merchandise.

First, I will create an ASP.NET website and connect it to a simple database that will have multiple tables. One table will hold an mp3 for each episode. Another will have an email distribution list for followers to sign up for. And another will be part of an online store.

The user interface would have 2 web pages. The homepage will have a list of the podcasts and a link to the online store. The online store page will implement the display of merchandise, a shopping cart, and a payment module. The database will contain an inventory control mechanism.

An example that I will be using is the .NET podcast website <https://dotnetrocks.com/>. This is the website of a podcast that talks about coding. It’s opening page has a button that users can click to listen to the current podcast. At the bottom of the page are more buttons that correspond to previous episodes. They also have a button that directs users to a fan page where they can sign up for the email list.

The literature that I will use to assist me in completing this project are as follows. I will be using the ‘sports store’ example from chapter 8 in the the ASP.NET textbook to help me create the online store. I will also be using tutorial videos from Microsoft, located at the following website:

<https://channel9.msdn.com/Series/ASPNET-Core-101/?WT.mc_id=Educationaspnet-c9-niner>.

At the end of this project, I will publish this website to Azure so that my wife will have a functional website for her podcast.