

## Lab 9 – REST Web API, Group A: Song List

CS295N, Web Development 1: ASP.NET

### Objectives

Gain experience:

- Creating a Web API
- Testing REST endpoints with Postman

### Song List Web API

Part 1: Create an ASP.NET Core Web API project that provides all the functionality of your previous Song List app but with no GUI (no web page). Use [Create a web API with ASP.NET Core and Visual Studio for Windows](#) as a guide, but use an actual SQL database with your Web API app.

This Web API will have REST endpoints for:

- Getting a listing of all the songs
- Adding a song
- Deleting a song
- Getting info on a single song
- Editing info on a single song

Part 2: Test each endpoint using [Postman](#). Take one or two screenshots of each test. The screens you capture should be chosen so that the screenshots verify the correct operation of each endpoint.

Part 3: Publish your Web API to Azure.

### Submission to Moodle

#### Beta Version

Upload the following to the Code Review Forum:

1. A zip file containing your web app's Visual Studio solution folder.  
Or, a link to a repository containing your web site solution source code. You can put the link on the same document with the report on your exercise from part 1.
2. Screen-shots of your Postman tests
3. A code review of your lab partner's work. (You do this after your lab partner submits item 1 and you have reviewed it.)

#### Production Version

1. Item 1 and 2 as above but revised as needed.
2. Item 3 above.
3. The code review of your work (the one done by your lab partner) with the second column ("Production") completed by you.