**Electronic Color Code Resistor Calculator**

Instructions for Set Up, Compile and Run

**Description**

Calculates the resistor values for the Electronic Color Code by selecting the different colors from the drop-down list.

**Prerequisite**

Visual Studio Community for Mac 7.5.3 (Build 7)

**Project Dependencies**

NuGet

* NuGet: Microsoft.AspNetCore.App 2.1.1
* NuGet: Nuget.Build.Packaging 0.2.2

SDK: Microsoft.NETCore.App 2.1.0

**To set up, compile and run the application, please do the following:**

* Ensure that the prerequisite is met
* Download the project from the GitHub Repository: <https://github.com/thiavo/ColorResistorCalculator/>
* Open the solutions file: ColorResistorCalculator.sln
* Before building the project, please check that the “Create a NuGet Package when building the project” is selected by right clicking on the solution in the Solution Explorer 🡪Options 🡪NuGet Package. This will be used as a dependency for the unit testing.
* Fill in the Metadata if it isn’t already filled out. The fields should contain:
  + ID: ChristinaVo.ColorResistorCalculator.Core.MVC
  + Version: 1.0.8
  + Authors: Christina Vo
  + Description: Calculates the resistor for the electronic color code
* Next, build the project by selecting the Build 🡪Build All
* Now we can execute by selecting the Run 🡪Start Without Debugging (Note, this would also build the project before it runs.)
* The browser should open with the Color Code Resistor Calculator
* Have fun and see the minimum, maximum and resistor values change as you select different colors from the drop-down list!