# Explanatory Document

Site available at: <https://hapwebapi.azurewebsites.net/> OR <https://samplewebapi.hapwiggins.com/>

## Tools Used

* Visual Studios Express
* GitHub
* Travis CI
* Azure
* Swagger.io
* Google
* Twitter API Documentation

## Process

I forked the intial repo and cloned it down to my local system. I opened the solution in Visual Studios Express. I did an initial test build to confirm it would work, which failed with a missing comma. I added the missing comma to the ProductController.cs file and attempted another local build. This completed successfully and I was able to hit the site locally and test the API. The API returned expected results confirmed against the ProductController.cs file. I then created an account on Azure. I created a new Web App resource that I then connected to my GitHub account. I tested the Web App by deploying directly from the GitHub repo to confirm it would deploy correctly. This test was also successful, and the API returned the expected results. I then set up deployment credentials and a deployment slot to allow deployments through Travis CI. Next, I set up the Travis CI integration and added the hidden travis.yml file. I committed my changes and confirmed Travis was showing the build completing successfully. I then configured the travis.yml file to deploy to Azure and tested to confirm changes in files were deployed successfully.

I documented the API information in various formats. I used Swagger.io to create a YAML format version for developers. I created a basic markdown version of the documentation from an API documentation template. I also created a wiki style format version based on the Twitter API documentation.