**CMP306 Dynamic Web Development 2.**

**Practical 3. Create an API for the Database**

Assuming you are up to date, you will have a table that includes details of your items, images and articles. I suspect that if you look at your code then there is a mix of application and data in your php pages. The task for today is to remove this mix of function.

Rebuild the site from week 2 with an MVC directory structure on your website with folders model / view / controller.

In the site you will only RETRIEVE data. You should Create Update and Delete the data via PHPMyAdmin. Your task this week is to implement an API to retrieve the relevant data.

So you will need:

* getAllItems() to get the data for all (12) items.
* getArticle($id) to get a specific article.

Do you need a getImage($id) method? You may need this as part of the getAllItems() or getArticle($id) method but it should be internal to the model / API. There is no requirement for the View or Controller to getImage($id)? Or is there? I will leave you to sort this out in your application.

Remember that the data that these methods return should be in JSON format. Check that these methods work and then implement these into your code. At the end of the week you should have a clear MVC architecture to your site. Note that, at present, there is no controller function in the application.

**Week 3 Critical Appraisal.**

You need to add 400 words of appraisal of the work carried out this week. Pick one of the API methods and describe how this works. Then show where this has been used within the “view” code. Are you convinced that an API is a good idea? The answer is YES, give a couple of reasons why!!

Dr Geoffrey Lund.