# Web Application Development

## Project Journal

*Introduction*

*14/10/2024 – 20/10/2024*

**Tasks:**

* Create a folder structure with the necessary files and directories.
* Decide on what products I would like to incorporate into my projects xml.
* Work on all files and ensure navigation is accessible and code meets the expected standards.
* Apply styles to HTML and XSL files.
* Create a schema and add necessary restrictions concerning the brief.

**Challenges:**

**The browser was not parsing my XML file:**

I’ve been using Firefox developer and had no issues until I realised that when trying to select the node and apply templates, it did not appear in my XML, after a couple of searches, I realised I needed to turn the proxy off in my browser settings to run my local host.

**Trying to get images on my XML page:**

After initially struggling with XSL, I had the task of putting images in my XML file. I created an image element, and for the value, I put the file path of the related image,

Then in XSL I applied the following :

**A screen shot of a computer program

Description automatically generated**

(I did ask Chat GPT for assistance with this matter)

**GitHub issues:**

I usually don’t have issues with GitHub, but this time around, I had added remote origin by accident and had not linked the corresponding repositories correctly. This was ok because it was still on my local machine, but I needed to resolve the issue much later, as I will go into detail.

**XAMPP issues :**

After updating my OS, XAMPP was no longer viable after trying multiple times, If I wanted to use it, I would need to delete everything related and re-install.

All my work was in the htdocs folder, and I would first need to ensure that all the work I had done was not lost. I eventually resolved the issues I was having with GitHub and was able to ensure my work would not be lost. I deleted XAMPP, and after trying to install I still had no luck. I found another local web server environment called MAMP, and I am now using that instead.

**Schema:**

The layout for my schema I was using was the Russian doll layout (everything nested within each other). I found it hard to apply restrictions where needed and realised that to futureproof it for other users or myself in relation to readability and usability I would need to split it into types.

When adding restrictions specifically for the product code I used the help of StackOverflow and W3Schools.

**Key points:**

* Proving my ability to solve technical issues and resolve them.
* StackOverflow can be my best friend, but sometimes, I can fall down a rabbit hole and waste too much time on it.
* Learning the importance of readability and usability for other users after struggling to navigate through the files myself (specifically the schema).
* Solidified my understanding of the Grid-template(CSS),XSL, and XML schema.