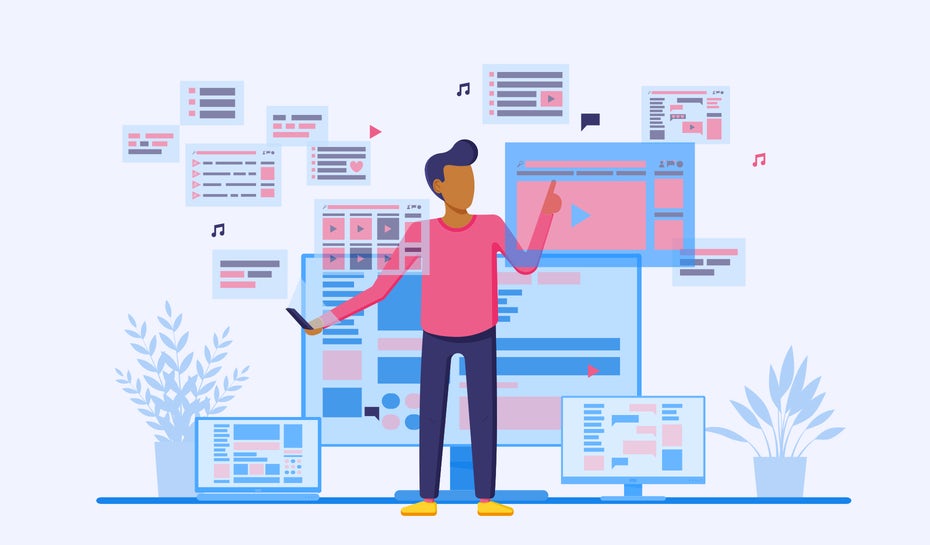
[#](http://www.napier.ac.uk/)



**Title:** Coursework Part 2

**Matriculation Number:** 40512375

**Module Title:** Web Design and Development

**Module Number:** SET11112

**Name of Module Leader:** Christos Chrysoulas

**Date of Submission:** 30/4/2021

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# Further work needed

In order to transform this interactive prototype website site in a fully working professional web site further work and adjustments must be made.

First of all the domain name must be checked for availability and registered. Also we must pick the right server for our web site which will be suitable and trustful for our kind of website businesses.

The next step is that all the necessary pages (all products pages, help and contact, forum etc.) must be created and all the function (payment validation for a purchase, live support chat, automated updates to customers, order tracking etc.) must be implemented. For the online payment function we must come in contact with the according organizations.

The created pages must be SEO optimized in order to have a high rank in the search engines and increase the organic visits from users. Also banners for paid ads must be designed to be ready for use and adjustable from the admin user to promote what is needed. More than one banner will be designed so the criteria for the most platforms to be met.

Afterwards tracking and analytics function but be created and implemented to the web site which must be complied with the GDPR rules. All users must have the right to delete their account whenever they desire to or have access to their personal data but after passing the verification process first. GDPR certification must be given from https://ico.org.uk/ .

One of the most important characteristic of a web site is the visual and how easy will be for the visitor to navigate. All photos, menus, links must be working right and be visible to the user. Adjustments to these two must be made in order to be user-friendly and productive according to the markets and customers’ needs.

A usability test must take place to make sure that everything is working properly in the website and identify any errors that may occur or already exist. After having the results all errors must be eliminated and the necessary changes to be implemented.

Last we must have our site tested from users where they will review the site for its design, functions, accessibility and anything they may they think we must add, change or delete in our web site. After the reviews have been accessed the final changes will take place and adjustments will be made according the users’ and company’s needs. Here the last usability test will take place to make sure that no new errors occurred from the changes and adjustments.

The website will be ready to go online in public when all the above have been completed and all the criteria are met.

# SET11112 – Web Design & Development module summary.

During this module we worked in two courseworks and we implemented everything we learned from this module in order to complete them.

In the first coursework I performed a research in some web sites which I evaluated them for their quality criteria. I used what I have learned from the module in order to correct evaluate them. I evaluated the UX, the Usability, S.E.O. and marketing channels. From this I learned how a web site must be look like, how to make the purpose of the web site clear for the user, having a nice structure to reflect into a user friendly experience. Also I learned what to avoid and what is necessary for the building of a web site. Afterwards I was asked to create a landing page, an HTML form and one more page. During this I learned how to correctly use the HTML language properly and the language’s functions and structure and also the CSS language in order to create a nice and good looking web page. I also learned how to connect CSS files with HTML files in order to have the needs final result. In other words I learned how to build a web site with all the needed characteristic and how to design the visual aspect of it. The feedback of this work from the module leader help me to better understand all the necessary things for a good website.

In the second coursework I were asked to produces an interactive prototype using the PHP server language and to build our own server in order to produce this prototype. I learned how to create my own server using XAMPP to host my web site. Also how to create my own database and tables in it so I can store data for my site. Using the PHP language with the help of the tutorials and the lectures notes I learned how to create users and store their data, how to validate the data that the users give so to be useful with the help of the form validation procedure. Important is the I can now create login session that will validate the user and protect their data from others and how to encrypt their password so no one except them would know what the password is. PHP sessions gave the ability to store users data during the visit and not to be asked to log in again. Also gave me to ability to separate simple users from admin users. The last I learned is the CRUD functionality which gives to the admin users to process the all the data hosted in the web site.

This module taught me how to create a website for zero, how to secure the web site, how to build my own personal server and database and how to write code in HTML,CSS and PHP languages.

# Achievements in code-writing

|  |  |  |
| --- | --- | --- |
| **Coursework achievement grid** | **Exists: yes or no?** | **Give the requested information in this column.** |
|  |  |  |
| Please give the full URL (web address) of your home page on the server | Yes | <http://localhost/web_site_files/Brewholic.php> |
| There must be at least 3 web pages (list 3 filenames) | Yes | Brewholic.php, admin\_page.php, fix page.php |
| There is a way of logging in (on which page?) | Yes | login.php |
| I can register a new account (on which page?) | Yes | signup.php |
| logging in is only successful for the right password (true or false) | Yes | TRUE |
| There is feedback telling me whether I am or am not logged in. (what feedback?) | Yes | When the users has logged in the log out icon appears |
| There are pages you can only reach if you have logged in (which pages?) | Yes | Fix page.php |
| Can your application create a table row on the database? (How can I check?) | Yes | From the admin\_page.php and create\_user\_form.php |
| Can your application read from the database? (How can I check?) | Yes | From the admin\_page.php and view\_users\_page.php |
| Can your application update a database entry? (How can I check?) | Yes | From the admin\_page.php and update\_details\_page.php |
| Can your application delete a database table row? (How can I check?) | Yes | From the admin\_page.php and create\_form\_validation.php |