C:\KEEP\Desktop2\drunken.gifSET11112 Web Design and Development

Coursework 2

Matriculation number: 40452569

# Status Report:

|  |  |
| --- | --- |
| **Requirements** | **Status** |
| A working interactive site | **Running on WDD server** |
| Moodle filename | **40452569.zip** |
| Report | **IN PROGRESS** |
| Website public address | **40452569.wdd.napier.ac.uk/home.htm** |
| Database | **40452569** |
| Database username | **40452569** |
| Database password | **DUptbimB** |
| Test username | [nicky@test.com](mailto:nicky@test.com) |
| Test password | nicky |

# Functionalities Status:

|  |  |
| --- | --- |
| **Requirements** | **Status** |
| At least three web pages | The website contains 7 pages: home.php; aboutus.php; profile.php; signin.php; registration.php, connect.php and loggedout.php. |
| Client-side form validation | User account creation page are validated on client side using javascript. |
| User account creation | Via registration.php |
| Login and password authentication | Via signin.php |
| PHP sessions and session storage | Once logged in, username will be stored in a session variable to be used in profile.php page as a mean to pull up user’s data from the database |
| CRUD (create, read, update, delete) database functionality. | **Create**: via registration.php  **Read**: via [home.php, profile.php](http://home.php,profile.php) and signin.php.  **Update**: User can update user’s data on profile.php page and this will be reflected in the database persistence.  **Delete**: via “Deactivate” link on the navigation bar. This comes with a confirmation and is reflected in the database. |
| Validation against W3C HTML5 document type definition and CSS definition |  |

# Future works:

For the purpose of developing this prototype into a working product, a few requirements have been drafted up and categorised using the MoSCoW model. Using MoSCow model to prioritise design requirements helps with understanding the relative importance among the tasks (Agile Bussiness Consortium, n.d.). This will in turn help us to quickly implement the website via iterations with a deliverable product at the end of each cycle.

## Must have:

### Req 1: Admin side content management

This is to enable website administrators to add and update the content of the website without the need of consulting or contacting database developer.

### Req 2: Order and Payment handling

This is a crucial business function of the website so recording order details in the database, CMS (Content management system) and also providing users access to their past orders are utmost necessity for the website to function properly.

### Req 3: Password changing facilities

This is one of the basic security function to ensure proper authentication.

## **Should have:**

### Req 4: Address validation functionalities

Due to the fact that this website main objective is to deliver goods to the customers via post or carrier, it is essential that the delivery address is validated and confirmed via an official post address validator.

### Req 5: Order confirmation emailing

This comes as a standard in online shopping services to confirm the orders via emails for customer record.

## Could have:

### Req 6: More polished user interface to attract customers

More polished CSS and animation would help with the users experience.

### Req 7: Security functionalities (Session time out, password hashing for database storage, auto erasure of inactivate accounts)

As security is a concern in every aspect that we come across especially with the GDPR in effect, protecting user’s security, privacy is our concern as well. Therefore, it is demanded that our website should implement a session timeout to protect users from unauthorised access, password hashing storing instead of storing raw password for enhanced security, auto erasure of inactivate accounts to comply with GDPR regulation.

## Won’t have (at this time):

### Reg 8: Delivery tracking functionalities

This has been decided to be left out as we can use delivery carrier services and it should be their responsibility to provide us with secured trackable delivery method. Hence, we do not have to develop this functionality and can save the initial cost of business.

**Word count: 388**

# Reflection

During the course of this module, I have learned new technologies such as php,mysql along with the procedure and standard in designing a modern interactive website and also to document and explaining my work via written report.

In this coursework, a multiple number of sources have been used such as lecture and tutorial notes from my professor Dr M J Rutter and also from the internet.

I have managed to use external javascipt validator plugin from *JavaScript-Coder.com*  to validate client-input as well as self-written javacript functions to do it myself.

I have been able use database to dynamically display my website content at this stage.

However, for future work, I could have the website configurations tidied up and php functions to be grouped in a phpAssist folder instead of typing it on the web page directly.

**Word count: 136**

# Demonstration

# Works Cited

Agile Bussiness Consortium, n.d. Chapter 10: MoSCoW Prioritisation [WWW Document]. URL https://www.agilebusiness.org/page/ProjectFramework\_10\_MoSCoWPrioritisation (accessed 11.29.19).