Dynamic Web Authoring – COM 353

Introduction to Web Development

Task 0 – Getting accustomed to your development environment

Before developing dynamic web applications, it is important to set up your locally hosted development environment.

Firstly, determine how to access and your individual, networked, user drive. This should be mapped for you within your desktop environment. It is important to determine this location as it offers *persistent* storage. Other storage locations on the machine will not persist data to day as machines are typically wiped in their daily maintenance cycles.

If you do not have any persistent storage you will need to use a USB stick, onedrive, dropbox or email to transfer your work off the desktop pc before each logout.
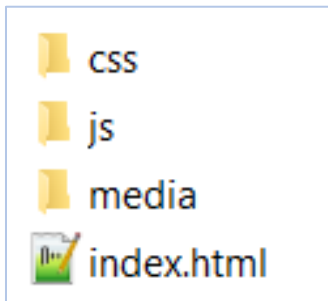
Following this, identify an installed bare-bones text editor that you are most comfortable in using. This **should not** be a WYSIWYG development package such as Dreamweaver or Seamonkey. The following tools are highly regarded:

    i. **Notepad++**   <- Highly Recommended
    ii. Brackets
    iii. TextWrangler
    iv. Visual Studio Code
    v. Scintilla
    vi. Nano
    vii. Vim
    viii. emacs

Task 1 – Setting up a file structure

In your networked persistent storage create a *public_html* folder. This folder will store all the web pages that you create during this module.

For each web site/application you should adopt the following base folder structure:

Item name	Purpose
css	A folder to store all external CSS stylesheets
js	A folder to store all external javascript files
media	A folder to store all media files, such as images or videos
index.html	The initial page to be loaded in any website/webapp

How would you support additional pages?

Task 2 – Read through the forms slides

Read through `Forms.pptx` – provided on blackboard.

Task 3 – Implementing a webpage

A client has mocked up a website that they would like **you** to implement. Use the information presented in the lecture slides and on `w3schools.com` to achieve this. The mockup of this single page website is shown in the screenshot below. The jquery image is provided on blackboard online.

Welcome to WorldBooks

Customer Information:

Customer Name: [ ]

Street Address: [ ]

E-mail Address: [ ]

Post Code: [ ]

Phone Number: [ ]

Shopping Cart:

Book Title	Author	Price	Quantity
The Genius of Photography	Gerry Badger	£25.00	1
A History of Modern Britain	Andrew Marr	£14.99	4
Wye Valley (Collins New Naturalist Library)	George F Peterken	£21.99	2

Payment Method: ⊙ Visa ○ Master Card ○ Switch/Debit ○ Cheque

I would like to be contact by:

☑ email ☐ mobile ☐ post ☐ visit

Other comments:

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other comments
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(Submit Form) (Reset Form)

Store this in a folder called *public_html/practical_1*

HINT: some characters require use of HTML codes to display properly, such at #gt; for >