Course: Digital Technologies

Course Code : 1161

Unit Title: Digital Solutions

Unit Code: 11212

Class: DIG26T2   SESSION: 2 YEAR: 2023
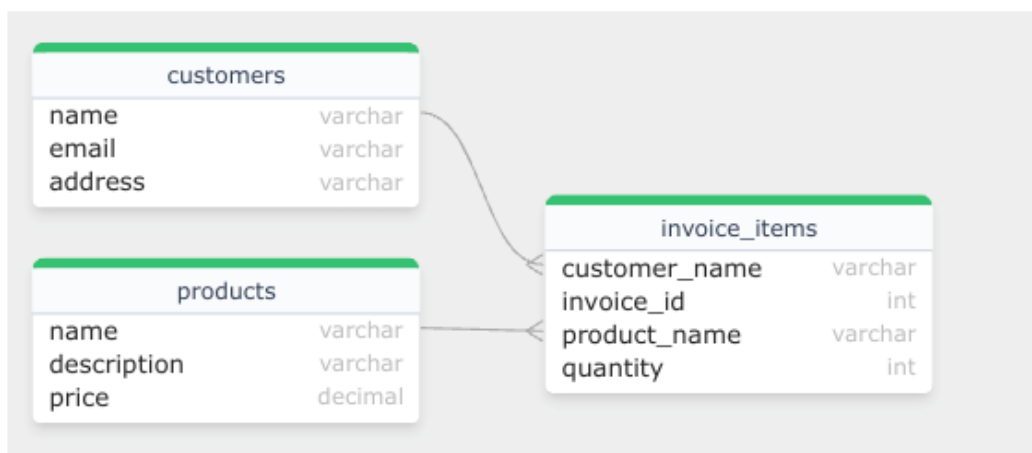
Teacher: Greg Clarke

Assignment out: Monday 31st July   **Due: Friday 18th August**

Weighting: 20%

Assignment 2

Task :

To create a website based around the use of PHP/Mysql that assists with the running of an online shop. Use the table

structures that we've focused on in class recently as a starting point.


```
CREATE TABLE customers (
  name VARCHAR(255) NOT NULL,
  email VARCHAR(255) NOT NULL,
  address VARCHAR(255) NOT NULL,
  index customer_name (name)
);

CREATE TABLE products (
  name VARCHAR(255) NOT NULL,
  description VARCHAR(255) NOT NULL,
  price DECIMAL(10,2) NOT NULL,
  index product_name (name)
);

CREATE TABLE invoice_items (
  customer_name VARCHAR(255) NOT NULL,
  invoice_id INT NOT NULL,
  product_name VARCHAR(255) NOT NULL,
  quantity INT NOT NULL
);
```

You will need to demonstrate the following MYSQL commands :

Insert, delete, update, select .

Choose an area (or it may need to be areas) that will allow you to meet the requirements of this project. Let me know what you're planning to do before you start.

◢ Where to begin

- move all previous files from within htdocs that you've added to another folder. Be careful you don't delete/move any of the original files.
- Database name – onlineshop
- User bob, password down.
- You don't need a login system, up to you.

You should demonstrate the use of a variety of different field types – bonus if you can figure out how to include an image field.

You need to use tables that involve the use of 1 to many relationships for this assignment.

You will need to create forms that will prompt a user for input.
There are also standard form elements that will be useful – drop down lists, option boxes …

Page Layout

You may wish to (but you don't have to) design a basic template for your website. This layout can then be duplicated to create all the pages in your website (once all your links are functional). This is up to you, it is not compulsory for this assignment. You can either use tables or css to structure your pages.

Website content

You are welcome to use/copy any text and graphics that appears on the web or in any other resource.

Folder/File Structure

Please ensure that you use the standardised approach to your project folder setup. In this case, htdocs will be the highest level of your folder structure and images, resources inside this folder.

Logo and Banner

Feel free to use existing logos or banners, or to modify them for your purposes. You can also create your own if you wish. However there are little marks for image graphics in this project.

Some musts

Use of comments in php
Use of html titles and meta tags
Text to be readable
Use white space wisely – don't try and clutter everything into 1 page.
Your text must be readable, and not obscured by "noisy" backgrounds. Don't use more than 1 font style, and 3 font sizes.
Ensure that you follow basic design guidelines
Put sufficient data in your tables so I can see if your database functions properly – min 15 records in each

Some Don'ts

- No plagiarism – including templates etc ….
- No use of any significant prior work that you have completed prior to the assignment
- Inline or embedded styles are fine.
- No image appearing on a web page should be larger than 800 x 800 pixels. All images should be resized in photoshop where necessary.

How you will be marked

You will be marked primarily on your proficiency in the use of PHP and Mysql.

In addition, there are some marks allocated for your use of HTML, CSS, and graphical and design elements of your website.

You should provide a word document that details the queries – mysql select statements – that you have created and used. Explain what the query does.

If you finish the task early spend the time adding additional features to your website.

Marks Summary

Assessment Element		Out of
PHP and Mysql		**85**
CSS, Graphics and Design		**10**
Documentation		**5**
TOTAL:		**100**

Dynamic Web Project No. 1   Name :

PHP and Mysql	A	B	C	D	E
Database, User, Tables and fields – follows instructions					
Range of Field types – dates ….					
Images as field data					
Use of phpmyadmin					
Form elements – drop down list, options, text, submit…					
Date appears on each page					
Functions :					
- list					
- insert					
- delete					
- update					
- sort					
- search					
Use of inner joins					
Range of select functions - queries					
Documentation of queries					
Simple transactions					
Complex transactions					
Extra features					

/85

CSS, Graphics and Design	A	B	C	D	E
Overall design of pages – clarity, balance, space					
Effective Banner – combination of text and graphics					
Ease of navigating web site					
Graphics suitability /effective placement					
Consistency in design across web site					
Home page – effective point of entry to website					
Text Fonts /colour suitability /effective use					

/10

Documentation	A	B	C	D	E
Sticky – would a user want to stay in the site?					
Error free (operation and spelling, grammar)					
Use of PHP comment tags					
Use of meta tags					
File names appropriate – follow conventions					
Folder structure correct – resources / images / css					
At least 8 pages					
Scale and balance of page correct–images not too large					
Use of title tags					

/5

__ /100