

MMDD 225 - Building Dynamic Web Pages

Assignment #1 - PHP Lists

Overview:

This assignment will be done as individuals. It will require students to create a dataset and output the data using output, variables, control structures and loops.

Purpose:

This assignment will introduce students to working with a dataset without yet adding the complexity of SQL and a database.

Process:

Students will use PHP variables, arrays and/or an API call to create a dataset (a list of items). Then the contents of that list will be outputted using PHP output, variables, control structures and loops.

The result should be well designed using valid HTML and CSS.

Suggested process:

- **Step 1: Sample Data**
Use a program such as Excel to make a list of your data. Include headings and multiple spreadsheets if required. If you are using an API for a dataset just copy a sample of the data into an Excel document.
- **Step 2: Create a Dataset**
Create a dataset using a series of variables, an array or an API call. Use the `print_r()` function to confirm your dataset has a series of items.
- **Step 3: Loop Through Data**
Use a PHP loop to iterate through the dataset. Within the loop create some output to confirm the loop is running the proper number of times.
- **Step 4: Output Dataset Content**
Within the loop output the dataset content in plain unformatted text.

- **Step 5: Format Content**

Format the dataset content using HTML and CSS. Validate your code using W3C validators and make your code beautiful.

Rubric:

Category	1 Incomplete	2 Undeveloped	3 Approaching	4 Mastery	5 Exemplary
	Shows no or poor level of knowledge	Shows mild level of knowledge	Shows moderate level of knowledge	Shows proficient level of knowledge	Shows excellent level of knowledge
Design	Design uses browser default fonts, colours and layout.	Page has been designed. Dataset content has limited design.	Dataset design matches page design.	Dataset and page are well designed and consistent. Page layout includes columns, images and other formatting.	Page layout is responsive. Dataset content is responsive.
Valid HTML and CSS	Seven to eight W3C validation errors.	Five to six W3C validation errors.	Three to four W3C validation errors.	One to two W3C validation errors.	No W3C validation errors.
Well Formatted Code	Code is unorganized. Code is not spaced out, not tabbed and not commented.				Code is well organized. Code is spaced out, tabbed and commented.
Dataset					
Sample Data	Sample data is not provided in a list format.	Spreadsheet file is provided. There are no column headings. Data is not consistent. Only one record is provided.	Data has column headings. More than one sample record is provided. Data is consistent.	Data requires multiple spreadsheets. Data includes multiple types (text, numbers, dates, links, etc...).	Data requires multiple spreadsheets. A foreign key is included to link records.
Dataset Source	Dataset is a series of variables.	Dataset attempts to use an array but is improperly formatted or not functional.	Dataset uses an array and is properly formatted and functional.	Dataset attempts to use an API call or a database but is improperly formatted or not functional.	Dataset uses an API call or a database and is functional.
Dataset Content	Dataset exists but is improperly formatted or not functional.	Dataset includes a single item with one or two properties.	Dataset includes a single item with more than two properties.	Dataset includes multiple items with many properties.	Dataset includes media such as images, avatars, audio and/or video.
Dataset Design	Dataset content is displayed using browser default	Dataset content is wrapped in HTML and CSS but	Dataset content is properly wrapped using HTML and CSS.	Dataset content requires the use of statements and loops.	Dataset content is displayed responsively.

	fonts, colours and layout.	improperly formatted.			
TOTAL (20% of your Final Mark)					

Submission/Deliverables:

To submit this assignment simply upload your working page to your server and submit a URL and your sample data spreadsheet and your PHP file in Blackboard.

The due date for this assignment will be in Blackboard.