Assignment 4

Due: as per class plan

Important Notes:

- This is a group assignment. Groups may consist of at most two people. Under no circumstances will groups of 3 or more be permitted.

- I will be checking for borrowed or copied assignments. All work is to be done from scratch, you may not use any templates or other assistances.

- An in-class demo is required for full marks.

- This assessment is out of 30 marks total.

Tasks:

In this assignment, you will use PHP to build an application that allows a user to insert new records into a relational database and fetch those records.

1. HTML Static Content - Web Form

   - On the landing page, create a menu to take the user to different pages as described below. **(2 marks)**

      - The first page with a web form should collect the information required to insert a new Part into the `PARTS` table. Submit it to **parts.php**. **(3 marks)**

      - The second page with a web form should collect the information required to insert a new Vendor into the `VENDORS` table. Submit it to **vendors.php**. **(3 marks)**

      - The final page will display the data from both the tables: `PARTS` table and `VENDORS` table. **(2 marks)**

   - **Refer to "assignment4.mdb" for more details about the table schemas.**

2. HTML Static Content - Instructions **(1 mark)**
   Be sure to explain to the user what your web application is supposed to do. Include details on how to use the application.

3. PHP - Form Validation

- All user inputs must be validated so that they match the data types(strings and numbers only) of the corresponding field from the database. Do not allow null fields if the data is required. **(2 marks)**
- If any errors exist, display a compound message that includes all the error messages. **(2 marks)**

4. PHP - Data Persistence
   From **parts.php** and **vendors.php**:

- After the data has been successfully validated, display a message that summarizes the data that the user provided. **(2 marks)**
- Insert the data into the corresponding table and show a confirmation message. **(2 marks)**

5. PHP – Fetch Data **(6 marks)**

- Create a page that fetches and displays data from the 2 tables (Parts and Vendors).

6. Programming Style and Standards **(2 marks)**
   It is a good idea to practice conforming to a set of programming standards. Refer to the posted summary of the Programming Standards used by the CP/CPA programs.

7. In-class Demo **(3 marks)**
   Your group will be providing in-class demos on the due date. Marks will be given for general knowledge of the submitted solution.

Extra Note:
I have provided sample code that establishes a connection to the database, retrieves some of the data from the VENDORS table and displays it in a dynamically generated HTML table.

Wireframes:
I have provided some wireframes and user flow to help you understand better.
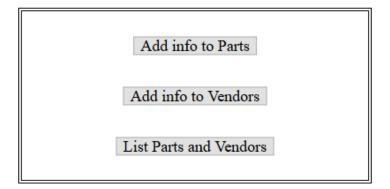You may or may not use the wireframes as long as you satisfy above requirements.

Submissions:
To submit this assignment, place all your work into a single folder. Zip (or RAR) this folder and submit the zipped file to eConestoga. No cover sheet is required for this assignment. A good way to make sure everything is correct; is to unzip the file you are submitting on a different location on your computer and making sure everything works. I must be able to see your results to grade properly.

User flow:

Menu Page

Write some instructions here

Add info to Parts

Add info to Vendors

List Parts and Vendors

Add info to Parts:

PARTS

PART ID :

VENDOR NUMBER :

DESCRIPTION :

ON HAND :

ON ORDER :

COST : $

LAST PRICE : $

SUBMIT

Add info to Vendors:

VENDORS

VENDOR NUMBER :

VENDOR NAME :

ADDRESS1 :

ADDRESS2 :

CITY :

PROVINCE : ONTARIO ▼

POST CODE : X9X X9X

COUNTRY :

PHONE : 123-123-123

FAX :

SUBMIT

List Parts and Vendors:

Parts

Part ID	Vendor Number	Description	On Hand	On Order	Cost	List Price
1	3820	Dive kayak	24	16	$1356.75	$3999.95
70	7382	Dive kayak	3	4	$4.0	$5.0
71	7382	Dive kayak	3	4	$4.0	$5.0

Vendors

VendorNO	VendorName	Address1	Address2	City	Prov	PostCode	Country	Phone	Fax
2014.0	Cacor Corporation	161 Southfield Rd		Southfield	OH	60093	US	708-555-9512	708-555-7545
2641.0	Underwater	50 N 3rd Street		Indianapolis	IN	46208	US	317-555-4534	
2674.0	Jackson's Scuba Stuff	65 Adams Street		Guelph	ON	B2B2B2	CA	800-555-4745	508-555-8956