# Craig Colley – Concept and writing.

I used various sources, including udemy and php.net to understand various areas of php programming that I needed further clarification on.

The concept and design of this site was my own and based on a boating supply business.

I created a simple site to demonstrate my knowledge in various elements of php programming.

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## Folder structure for site.

|  |  |
| --- | --- |
| Folder | File |
| Root |  |
|  | added\_to\_cart.php |
|  | index.php |
|  | login.php |
|  | logout.php |
|  | products.php |
|  | register.php |
| templates |  |
|  | footer.php |
|  | header.php |
| src |  |
|  | database.php |
|  | sessions.php |
| css |  |
|  | styles.css |
| images |  |
|  | home.png |

### Index

This is a simple home page that contains a welcome message, page title, header and footer and also has some php code that initiates active session handling.

### Register

Script that handles user registration by adding their credentials to the database while also encrypting their password. It loads the database configuration file to make sure it has a connection to the db. Then it takes the entered username and password from the form ‘server request method, and inserts it into the db. There is also some basic error handling if it already had the username or if it can’t open the db.

### Login

This is a script that checks to see if the username and matching password is in the database. It loads the session and database files. Then it checks if the user is logged in using the ‘isset$\_session’ super global variable to see if the session is stored. If they are, it redirect to the product page. It displays errors messages based on the issue.

### Sessions

This script contains the functions for user and sessions management. It user the sessions start to create a superglobal and so users can be tracked across multiple pages. It then checks if the user is logged in, and if so, redirect to the product page. It asl has a logout function to terminate a session.

### Logout

Logout is a session cleanup script. It resets all session data be by assigning an empty array and session destroy, which invalidates all session cookies on the user side. This is only valid if the user is logged in.

### Database

This script connection to the MOSQL database using PHP Data Objects (PDO). If defines variables and then trys those. It laso has a catch block to terminate the script if they creadentails are not valid or if the DB is not available.

### Database creation details

SQL script used to create tables for users:

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) UNIQUE,

password VARCHAR(255),

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

SQL script used to create tables for products:

CREATE TABLE products (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100),

description TEXT,

price DECIMAL(10 , 2 ),

stock INT

);

### Other files

Footer: contains copyright information, and holds the logout button which is only visible if the users I logged in.

Header: contains html for linked to all pages in the site.

Added to cart: this show when the user has added a products to the cart. It used the post superglobal, check the products id is selected isset$\_POST’product \_id and shows a success message. It also should a link to continue shopping.