# Module 10

## Lesson: CRUD and MySQL

* Show how to do CRUD
  + Form that submits
    - Action, Method
  + $\_POST
* UPDATE, INSERT, DELETE
* Log in to server administration
  + Make Database
  + Make Database User
  + Apply User to Database (with full permissions)
* Create a MySQL table
  + ID
    - Auto\_increment
    - Primary
    - NEVER TOUCH. Drill this into their head.
  + Int
  + Varchar
  + Datetime
  + Decimal (10,2)
  + Comma separated list
  + Store image urls, not image data

## Assignment: MySQL Database

* Make your MySQL Database, add a table called "products". It should not be called anything else.
* Add the structure for your data to the table. Make sure column names have no spaces in them.
* Insert rows for each of your products into the database.
* Export a .sql file of the table, and turn it in to LMS.

**Definition of expectations for Final:**

* Present final project with at least 12 products in mySQL database.
* Site must be responsive, built with php, and using php part files.
* Product List, Product Item, and Cart pages must be built using product data from database.
* A new product must be added to database during final presentation.

**Bonus Points**

* Working Cart concept
* Full CRUD Admin page, for a site administrator to add or edit products
* Any extra tables that make those concepts work