

Final Project

In this project you have to create a fully dynamic web application with HTML, CSS, JavaScript, PHP and MySQL. This will be a good opportunity for you to put together all the skills you acquired throughout this semester.

Mandatory Requirements:

In this project you are free to choose the web application idea that you want to implement. You can choose to create an ecommerce application, a gaming application or any other web application that you can think of.

However your web application must have **at least**:

- 5 HTML pages.
 - Pages should be linked together.
- 3 MySQL entities.
 - All entities should be in a relationship with other entities.
 - At least one of these relationships should be a M→ M relationship.
 - At least 5 Queries, and queries should consume data from all entities.
- 2 User interactions that change the database records.
- 1 dynamically generated records such as a list.
 - The record must be retrieved from the database. SQL queries should be executed through PHP to retrieve the record from the database. Once the data is retrieved display it to the user using html/CSS.
- 1 Usage of Javascript to validate user input.
- 1 CSS file.
 - Enforce a consistent style across all pages.

Note: Above is just minimum requirements that you need to complete to get a pass grade (C) in the project. Your project should look like a working website with a lot more html pages, CSS files, JavaScript files, tables and dynamic pages.

Example e-commerce web application:

- HTML pages:
 - 1 page for registration and login.
 - 1 page for search and search results.
 - 1 page for products view.
 - 1 page for shopping cart.
 - 1 page for check out.
- MySQL entities:
 - 1 entity for storing user information (user name, email, credit card info ...etc).
 - 1 entity for a user's shopping cart.
 - 1 entity for storing product information.

- PHP and MySQL:
 - Storing user information during the registration process to database and sending the confirmation.
 - Retrieving the searched product from the database and displaying it to the user.
 - Adding or deleting certain product items from the store.