



Document Type: Assignment
Document Name: Final Project Specification
Points: 40% of Final Grade
Due Date: Thursday, March 12, 2015

Description:

This project will have you create a 6 page website built entirely with PHP and MySQL. The site will have the following pages:

1. Home (home.php)
2. Products (products.php)
3. Order (order.php)
4. News (news.php)
5. Social (social.php)
6. Admin (admin.php)

The site design will be up to you (colors, fonts etc.) however; it must follow the Specifications outlined below for each of the 5 pages. You can use fictitious content on your site in places where it is not specifically defined in the Specification. **However, please keep in mind that some of you might want to use this project as part of your personal portfolio and may want to ensure that the site follows good design principles.**

All of your PHP code needs to include comments stating what each line does. Copying and pasting my sample code will not be accepted. Make the code your own.

Specifications

Project Location – All development for this project will be done on your personal PHP/MySQL server. You will be required to submit your code, screenshots and any other relevant information in Canvas.

General - Your site must include navigation to each of the 5 pages. **(Navigation to your Admin page must not be included)**. The navigation code needs to be placed in a PHP include file. The navigation is to appear in the footer of your page as well. The overall look and feel of your site must be consistent between all five pages. **The footer navigation must be styled differently then the top of page navigation.**

All outputted pages must pass HTML and CSS validation at <http://validator.w3.org> for HTML and <http://jigsaw.w3.org/css-validator/> for CSS.

Inline CSS will not be accepted. All CSS is to be placed into an external CSS file.



Database – Your project will need to be backed by a MySQL database. This database must be called “ctec127_final_project”. In this database you will need to create tables as directed by the specifications below.

Presentation – You will be required to present your project to the class on the due date (Thursday, March 12, 2015). All students must provide a project status update on the following dates:

1. Tuesday, March 3, 2015
2. Tuesday, March 10, 2015

Status updates will need to be made in Canvas. You will be directed to provide updates for the above dates and where they must be inputted.

Page Details

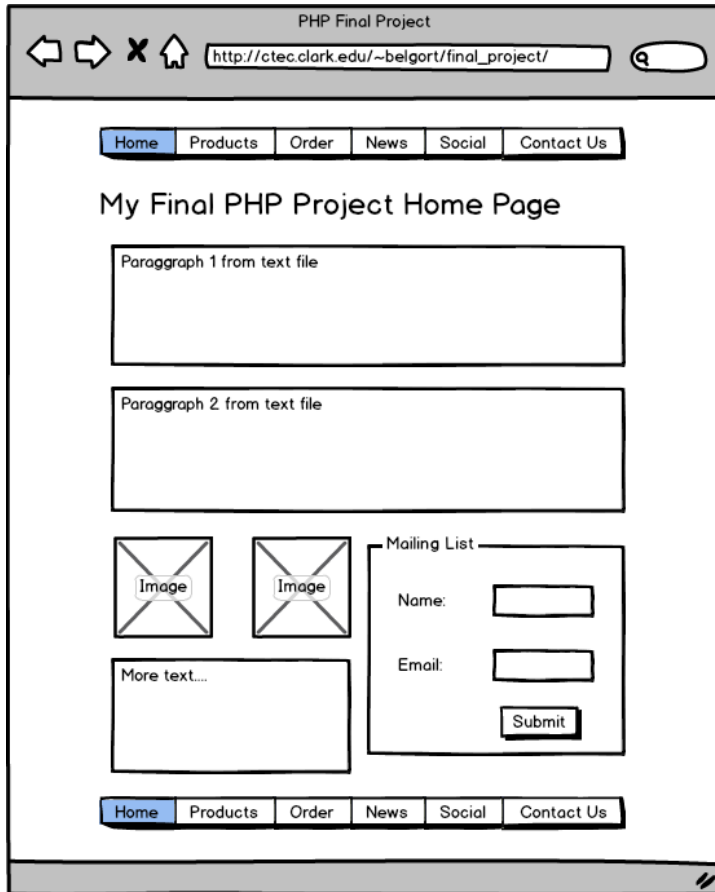
Home Page – Your Home page must include the navigation header and footer; it must also include several images and some text about your fictitious or real company. Use a combination of HTML inside and outside of PHP blocks.

Name your home page “home.php”.

In addition to the content that you create using hard coded PHP and HTML you are to include 3 paragraphs (minimum) of text from a database table. This database table must be named “home_page_content”. You are to determine the table column types needed. Your table must also include data for images and image locations to be displayed. CRUD to this table must be included on your admin.php page.

The page must also include a small “Mailing List” section (a form) that asks your visitor for their name and email address. The form must also include a submit button. When the form is submitted the data must be written to a database table called “mailing_list”. You are to determine the columns needed for this database table. You are also need to insure that the user fills in both of the fields before writing data to the table.

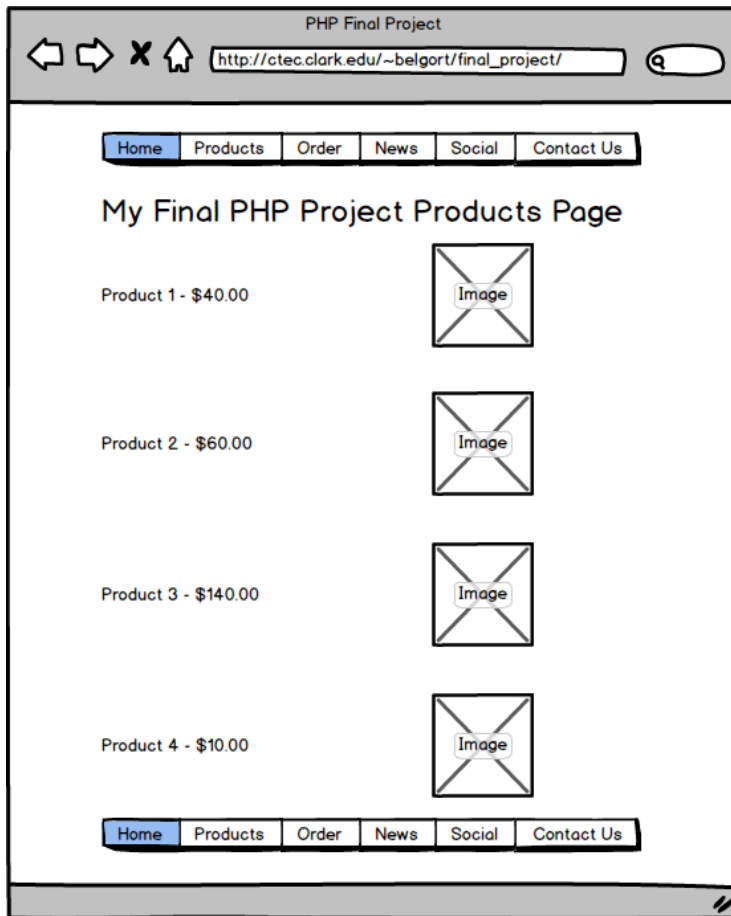
Here is a mockup of a sample Home page:



Products Page – Your Products page needs to include the site navigation in the header and footer using a PHP include file. On this page you are to display a list of fictitious products and images. The list of products and their associated images are to be placed into a database table named “products”. You are to populate this table with products and include columns for product name, price, and product image path. Use PHP to display the data items from the file using a loop of your choice. Include CRUD on your admin.php page to manage this data.

- The Product Name is simply the name of the product that you will be displaying on your page.
- The Price is the price you will display with your product.
- The Image Path is the name of the image that you will be displaying next to the product name/price. This image will live in the file system of your web server.

Here is a mockup of a sample Products page:



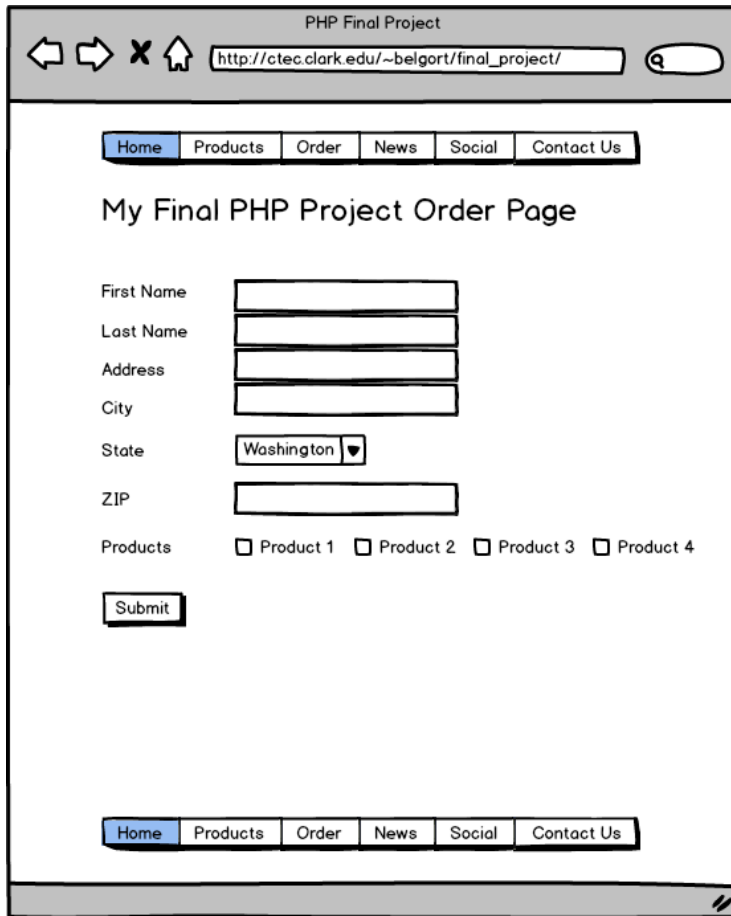
Orders Page – Your Orders page needs to include the site navigation in the header and footer using a PHP include file. On this page you are to include the following fields:

- First Name (input)
- Last Name (input)
- Address (input)
- City (input)
- State (dropdown – Include 5 states)
- ZIP (input)
- Products (Checkbox - Include your 4 products)
- Submit Button

When the Order form is submitted a page showing the fields that were entered along with their values must be displayed. Use the same order.php script to process the orders. Do not use a secondary script. Provide full CRUD for all of the orders on the admin.php page.

Pay special attention to the checkbox fields and how they are formatted in your HTML.

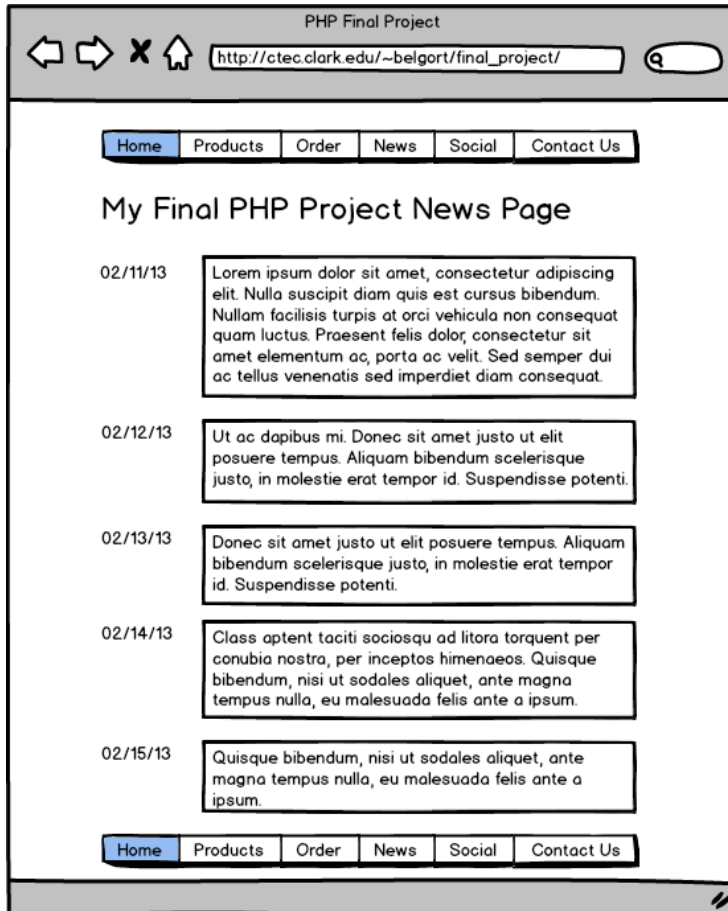
Here is a mockup of a sample Orders page:



The mockup shows a web browser window titled "PHP Final Project" with the URL "http://ctec.clark.edu/~belgort/final_project/". The page has a navigation bar with links: Home, Products, Order, News, Social, and Contact Us. The main heading is "My Final PHP Project Order Page". The form includes input fields for First Name, Last Name, Address, City, State (a dropdown menu showing "Washington"), and ZIP. Below these is a "Products" section with four checkboxes labeled "Product 1", "Product 2", "Product 3", and "Product 4". A "Submit" button is located below the checkboxes. The same navigation bar is repeated at the bottom of the page.

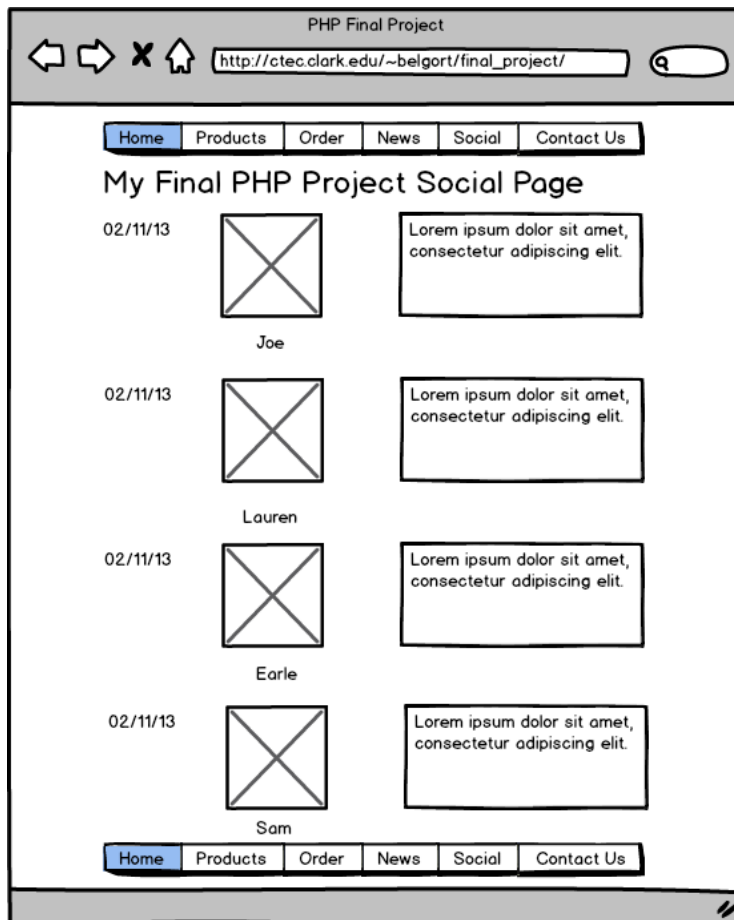
News Page – Your News page will require you to read data from a database. You will be required to read a series of 5 news articles from a database and display them on your News page. The news articles you will read from the “news” database table will include a date and a few sentences. You can display these on your page any way that you would like. Provide CRUD for your news articles on your admin.php page.

Here is a mockup of the News page:



Social Page - Your Social page will require you to read data from a database. You will be required to read a series of 10 "social" items from a database and display them on your Social page. The social items you will read from the database will include a date, a link to an avatar graphic, a name and a few sentences, which contain a social status update. You can display these on your page any way that you would like. Name the database table for the social information "social". You will need to provide CRUD for this on your admin.php page.

Here is a mockup of the social page:



Bonus Page 1

Create a portal type of page that combines data from the news, social, and products tables and display it neatly and orderly on a single page.

Grading

This project is worth 40 percentage points of your final grade in CTEC 127 as specified in the class syllabus.

Points will be deducted for:

- Not validating your HTML/CSS.
- Not using an include file for the header/footer navigation on all of your pages.
- Not completing any of the 5 required pages.
- Not including all of the required content for the Home page.



- Not including all of the required fields on the Order page.
- Not including all of the required fields on the Products page.
- Not including all of the required items on the News page.
- Not including all of the required items on the Social page.
- Not including all of the required items for the Admin page.
- All of your code needs to be your own.
- All of your code needs to be commented.