

CS6252 Web Technologies II
Lab Assignment: Working with PHP Applications
Due date: Jan 19, 2018, 11:55pm

Starting Eclipse

This guides you once more quickly through the process of setting up an Eclipse project and importing starter files. For more details refer the instructions in last week's exercise.

1. Open Eclipse and chose as workspace `\xampp\htdocs\` or a folder inside that directory, like `\xampp\htdocs\cs6252`.
2. Switch to the PHP perspective.
3. Import the starter project `littlelibrary1.zip`.

Check out the starter project

Check out the start project. Here are a few items to note:

- Every link in the navigation menu links to the file `index.php` which calls the controller. In turn the controller retrieves the required data and includes the page to be displayed.
- Since a requests to the server are made for the `index.php` file, all links are relative to the location of the file `index.php`. For example, the `include_once` statement in file `controller/Controller.php` uses the path `'model/Model.php'` to link to the Model class, even though the relative path to file `Model.php` from the location of file `Controller` is `'../model/Model.php'`.
- If a navigation link is used, the requested action is passed to the controller through the `get` method as parameters of the URL. See the links in file `nav.html`. In particular, PHP stores the parameters of the URL in the so-called array `$_GET`. The controller can then retrieve the value that is associated with "action" to decide on the next action to be performed.
- The contact form is submitted through the `post` method. Thus PHP stores all form fields in the array called `$_POST`. The post array associates the name of a form field with the entered content. In particular, the name `action` of the hidden form field is associated with the value `"process_contact_form"`.
- The PHP function `filter_input` makes it easier to access the content of the `$_GET` and `$_POST` array and to filter its content to remove potentially harmful content.

Add a page with form handling

1. Add another page to the Little Library application that allows a visitor to sign up for a newsletter. The page should contain a form with a single field that allows entering an email address:

The screenshot shows a web page titled "Little Library" with a green header. On the left is a navigation menu with buttons for "Home", "Catalog", "Login", "Contact", and "Sign up". The main content area is titled "Sign up for our Newsletter" and contains a form with a label "* E-mail:" followed by a text input field and a "Sign up" button. The footer is green and contains the text "CS6252" and "Contact Us" in a smaller font.

2. Update the navigation (file nav.html) to display an additional menu item for the sign-up page.
3. Update the controller to display the sign-up page when the new menu item is clicked.
4. Add a confirmation page. Upon submission, a confirmation page is displayed that shows the submitted email address:

The screenshot shows a web page titled "Little Library" with a green header. On the left is a navigation menu with buttons for "Home", "Catalog", "Login", "Contact", and "Sign up". The main content area is titled "Thank you for signing up for our newsletter!" and contains the text "We will send the newsletter to anja@westga.edu." followed by a "Back" button. The footer is green and contains the text "CS6252" and "Contact Us" in a smaller font.

5. Update the controller to display the confirmation page when the sign-up form is submitted and to return to the sign-up form when the Back button is clicked.

Submission

Export and upload the project:

1. Select the project in PHP Explorer.
2. Right-click and select Export...
3. Click General | Archive File | Next >.
4. Be sure that littlelibrary1 is checked.
5. Enter ZIP file name C:\temp\YourName1.zip. (I put temporary files in the temp folder. You may have a different system - just put the ZIP file where you can find it: desktop, cs6252, etc.)
6. Upload the ZIP file to this assignment.

Grading

Additional item in the navigation menu: 2 points

Signup page and confirmation page: 3 points

Updated controller actions: 5 points