

Assignment 2

This Assignment uses knowledge gained so far through the course in addition to week 6. This assignment is worth 12% of your final grade. This assignment is due: Tuesday October 7th 2013 11:59pm Chicago Time. It might take you several hours of work to complete. You will need to make sure you have access to a computer hosting a web server capable of running PHP. I recommend you install WAMP or MAMP (or LAMP) on your personal machine. Any students enrolled in the 562 sections must complete the additional work described in the graduate extension section.

Introduction

You are going to build a blogging platform to complete with blogger and wordpress – two leading platforms in this space. Your blogging platform must offer at least two pages. One administrative page to save new blog entries and another separate page for outside users to view the last five blog entries.

Objectives

- Explain the role of forms in web site applications
- Implement and describe basic security for form processing
- Outline the types of resources server applications can connect to and their advantages and disadvantages

Requirements

- Administrators should be able use the admin section to upload a blog entry that consists of a title and blog text.
 - The easiest way to do this might be through a single form that allows all these fields, and saving the blog file into a new folder for each new entry.
 - All JavaScript injections to the form should be removed. HTML formatting may or may not be allowed, depending on your discretion.
- Your blogging platform should have a standard layout including a site name and page header on the top of every page.
 - The easiest way to do this is to create a set of reusable layout functions that are used on all your pages
- Your blogging platform should allow regular internet users to view up to the last five blog entries on the main page of the website. Each blog entry should clearly show the title, the blog text that the administrator uploaded for that entry.
 - This might be best achieved by scanning the directory where you store all blog entries, and loading the files for each blog and displaying them using a custom function
 - Blogs entries should be saved in files for safe keeping
- Your blogging platform should also show in a common footer at the bottom of every page the number of times the user has visited *any* page

- There should also be a button to reset the count to zero
- This is achieved best with session variables

Graduate Extension

- Clicking on each blog entry's title from the user page should display a new page containing only that blog entry.
 - This should be using a second .php page, or you could alternatively use a \$_GET request on the main index page.
- Administrators should also be able to add an optional image to blog entries
 - Add file uploading to the main blog upload on the admin section and save the uploaded image to the same folder as the blog entries
- Users of the main blog site should see the images uploaded with each blog entry if one exists.

Grading Details

You will obtain maximum grades by:

- Making maximum use of variables and control structures to minimize the lines of repeated code needed to display the required elements.
- Writing new code only within the php sections 1-7 as indicated
- Completing all customer requirements
- Submitting on time

Submission Details

You must upload your submission, including source code inside a zip archive to blackboard by the due date. The submission must be in the following format. Failure to produce your assignment in exactly this format will result in a 5% reduction in assignment grade:

Assignment Submission Format:

YourLastName_FirstName_IdNumber_AS1.zip

-src (folder)

-ALL documents and folders as required

README.pdf (describes your submission including problems and additional attributions)

Please clear any images from your submission before uploading. Your assignment should be less than 5mb in size.

Late Policy

You will lost 10% of your assignment grade (1.2% of course grade) every 24hours that your submission is late, starting from 1minute after the deadline.

Extensions are given in rare circumstances due to serious illness or family issues and will only be considered up to 48 hours before the deadline and with proof of hardship.