School of Information and Computer Technology Sirindhorn International Institute of Technology Thammasat University

ITS351 Database Programming Laboratory

Laboratory #5: PHP II Exercises

1. Create a shout box. A shout box is a simple message logging application. Each message must be stored with its timestamp. The log content must be kept in a file.

Here is an example of a shout box.

	Say something	
27 July, 18:33:20	design your own CSS. Does not have to be like this. Can be very very simple	
27 July, 18:33:56	Each message together with its timestamp should be stored on one line in the file.	
27 July, 18:35:58	At the top, check if \$text is set, if yes, then append it together with a timestamp (may use getdate()) to the file.	
27 July, 18:36:37	If no \$text is set, just load the file, and display each line in a Or whatever tags you want	
27 July, 19:17:26	Use explode() to separate timestamp and the text in each line. The delimiter (separator) should be something unusual like !@\$//#. Don't use just,	
27 July, 19:18:03	because, (comma) can be in the text	
27 July, 19:18:55	Use file() to read the file. This returns an array where each line is in each element of the array	
27 July, 19:21:20	When displaying message of each line, use htmlentities(\$mesg). See I can type , here	
27 July, 19:22:39	Already 19:22. Hungry.	
27 July, 19:23:16	You should use scrollbar like >>	
27 July, 19:24:29	Limit the height of this box (e.g. <div>) to say 500px and use overflow:auto to have a scrollbar</div>	

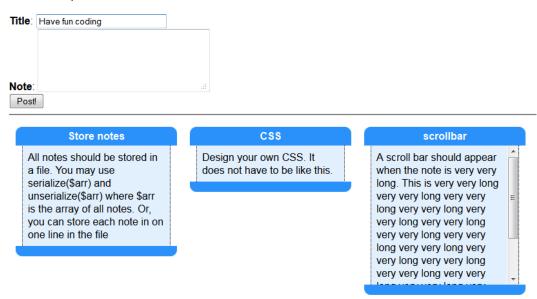
You may store each message and its timestamp as one line in the file. Alternatively, you can also keep all the content in an array, serialize the array, and write to a file. Also, see section "File-base Web Applications" for an important side note.

Challenge (do this if you have time): Add a small link to each message which, when clicked, allows the user to delete the associated message. You may also add a "Clear" button which clears all the messages.

© Copyright ICT Program, Sirindhorn International Institute of Technology, Thammasat University Last Updated: 27/07/12

2. Create a simple sticky note web site. Sticky note program is a program to store notes. Each note must be stored with its title. All the notes and titles must be stored in a file.

Here is an example.



You may store each note and its title as one line in the file. Alternatively, you can also keep all the content in an array, serialize the array, and write to a file. Also, see section "Filebase Web Applications" for an important side note. Design your own CSS. It does not have to be like in the example.

Challenge (do this if you have time): Add a small link to each note which, when clicked, allows the user to delete the associated note. You may also add a "Clear" button which clears all the notes.

© Copyright ICT Program, Sirindhorn International Institute of Technology, Thammasat University

3. Create a movie voting system. Movie list and their move results must be kept in a file. The user must be able to add a new movie to the list.

Here is an example.

What is your favorite movie ?			
Movie	Score	Vote	
The Dark Knight Rises	4	vote The Dark Knight Rises	
Be with you	5	vote Be with you	
Superman	2	vote Superman	
Spiderman	1	vote Spiderman	
Titanic	2	vote Titanic	
		Add	

You may store each movie and its vote as one line in the file. Alternatively, you can also keep all the content in an array, serialize the array, and write to a file. Also, see section "File-base Web Applications" for an important side note. Design your own CSS. It does not have to be like in the example.

Challenge (do this if you have time): Add a small link to each movie which, when clicked, allows the user to delete the associated movie. You may also add a "Clear" button which clears all the movies.

Challenge 2 (do this if you have time): Display the vote scores as a percentage bar instead of just numbers. The bars should be in such a way that the movie with the highest vote has the longest bar. Accordingly, the movie with the lowest vote has the shortest bar. HINT: Use image and set its width proportional to the score.

© Copyright ICT Program, Sirindhorn International Institute of Technology, Thammasat University Last Updated: 27/07/12

File-based Web Applications

In practice, file-based web applications should have a file locking mechanism to prevent simultaneous writing to the same file by different users. This can cause a content loss. Later on, you will learn to use a database management system, which will automatically take care of such simultaneous writing problem. For now, just assume that there is only one user of the web site. So, we do not need a file locking here.

© Copyright ICT Program, Sirindhorn International Institute of Technology, Thammasat University Last Updated: 27/07/12