

Assignment 1 (HF, major subject)

Due: Wed 02.11.2016; 20:00h (1 Week)

Goals

These exercises will...

- Show you the differences between the HTTP GET and POST methods
- Make you grow fonder with server-side scripting with PHP (potentially)
- Teach you the value of string and array functions in PHP

Task 1: What's the Problem here?

Difficulty: Easy

Take a look at this PHP script. It shows a number of flaws, e.g. in terms of security.

```
<!DOCTYPE html>
<html>
<head lang="en">
    <meta charset="UTF-8">
    <title>What's wrong here?</title>
</head>
<body>
<?php
function loginUser($email,$password){ //imagine valid login routine }
if($ POST['submit']){
    loginUser($_POST['email'],$_POST['password']);
else{ ?>
<form>
    <label>
                <input type="email">
        Email:
    </label>
    <label>
        Password: <input type="password">
    </label>
    <input type="submit" />
</form>
<?php } ?>
</body>
</html>
```

Write a brief explanation and put it as .txt file in the folder 'task1'.

Difficulty: Easy



Task 2: Sffuhle my Wrods!

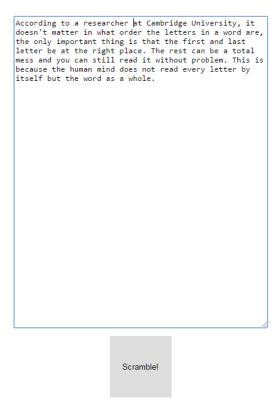
The human brain is able to easily read scrambled text. Take this example:

According to rscheearch at Cmabrigde Uinervtisy, it deosn't mttaer in waht oredr the ltteers in a wrod are, the olny iprmoetnt tihng is taht the frist and lsat ltteer be at the rghit pclae. The rset can be a toatl mses and you can sitll raed it wouthit a porbelm. Tihs is bcuseae the huamn mnid deos not raed ervey lteter by istlef, but the wrod as a wlohe.

The key is to keep the first and last letter of each word and shuffle what is in between.

Your task is to create a web-page that can scramble any text like this. The page should have a form with a textarea and a submit button. After submitting the form via POST, the scrambled text should be displayed (see screenshot below).

Use PHP, i.e. server-side code, to complete this task. Make use of <u>string</u> and <u>array</u> functions to find a nice solution.



Output:

According to rscheearch at Cmabrigde Uinervtisy, it deosn't mttaer in waht oredr the ltteers in a wrod are, the olny iprmoetnt tiling is taht the frist and lsat ltteer be at the rghit pclae. The rset can be a toatl mses and you can sitll raed it wouthit a porbelm. This is becase the huamn mind deos not raed ervey lteter by istlef, but the wrod as a wlohe.

Put all your code files into the folder 'task2'.



Submission

Please turn in your solution via UniWorX. You can form groups of up to three people.

We encourage you to sign up for Slack! All you need is a CIP account and an email address that ends in "@cip.ifi.lmu.de". Ask us if you don't know how to get them.

If you have questions or comments before the submission, please contact one of the tutors. They are on Slack opening-submission, please contact one of the tutors. They are on Slack opening-submission, please contact one of the tutors. They are on Slack opening-submission, please contact one of the tutors. They are on Slack opening-submission, please contact one of the tutors. They are on Slack opening-submission, please contact one of the tutors. They are on Slack opening-submission, please contact one of the tutors. They are on Slack opening-submission, please opening-submission,

It also makes sense to ask the question in our <u>#mmn-ws1617</u> channel. Maybe fellow students can help or benefit from the answers, too!

Let's collaborate on GitHub!

As we do not provide sample solutions, we encourage you to collaborate with all your peers on a sample solution for this assignment on GitHub.

We created a public repository for this purpose: https://github.com/MIMUC-MMN/assignments-16-17

The staff will always check what's in there and add comments or push updates.

