Assignment PHP Guestbook

Date : February 2018

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Hours : 6 hours (4 weeks, 1.5 hours a week)

Assessment : Individual

Read the assignment carefully and ask questions if anything is not clear.

# Introduction

In this course we are going to create a guestbook that can be used on a website.

A guestbook is similar to a contact form. The website visitor can leave a message using an HTML form. The guestbook form contains several form fields for the user to fill in:

* First name \*
* Insertion
* Last name \*
* Email address \*
* Website address
* Message \*
* Captcha \*

Fields marked with an \* mean that these fields have to be filled in by the user (mandatory).

All new entries must be stored in a database.

All new entries must be checked by PHP. This means that when a particular field like ‘last name’ (\*) is not filled in by the user, PHP must print / return a message and so no data will be stored in the database then.

Only when all mandatory fields are filled in the message will be stored.

# Prior knowledge & examples

To successfully complete this assignment, it is necessary to have an understanding of PHP, SQL, HTML, CSS. To add extra functionalities JS can be used for fancy form-validation (on top of PHP server side form-validation).

# Requirements (MoSCoW)

## Must 5,5

* Project is handed in properly
  + Deadline 01-03-2018
  + File type : 7Z or RAR
  + File name consists of students Lastname
  + File size < 1MB
* Project contains a webpage with an HTML guestbook form
* This guestbook is a single page project which means that the visitor stays on the same page
* Other PHP files are included (for example database)
* The webpage has meta info (head section)
  + Keywords
  + Description
  + Author
  + Copyright
* The webpage is styled with
  + Header text (info for the visitor) with header and paragraph
  + Footer
  + Images (background and otherwise)
* HTML form and form fields are styled with CSS mark-up
* Form has following fields:
  + First name
  + Last name
  + E-mail address
  + Website address
  + Message
  + Captcha field (for bot detection)
  + Submit and reset buttons
* The page shows notifications when the visitor has posted a message successfully
  + “Thanks for your post!” (may be different)
* The page shows a notification printed by PHP for each mandatory field missed / left blank by the visitor
  + “You have not filled in your last name”
  + “Please leave a message”
  + …
* The page shows previous posts listed below the form
  + Nicely styled in a table or otherwise
  + Messages are show in order of date descending
* Coding and structure
  + Organize files neatly in folders
  + Logical and consistent names for variables, id’s and classes
  + Indent code with tabs

## Should 5,5 – 8

* Github
  + Upload your code regularly to Github
* Create your own design. (So not based on the teachers or others examples)
* Form field for Captcha using ‘Secure image’ from https://www.phpcaptcha.org
* Date and time of each post is stored in the database

## Could 8 – 10

* The user’s IP address is stored in the database
* A login form that must be used by the user before posting a message
* A form field for uploading an image
* Form validation by JavaScript

Tips & resources

* Use classroom examples and PowerPoint sheets from N@tschool.
* Make backups: external hard drive or cloud storage
* Upload your finished assignment in N@tschool. Use Winrar or 7-zip to pack your files
  + Only .7zip or .rar file extension allowed
  + Filename: ***firstname\_lastname\_guestbook.rar***
  + Filename example: john\_doe\_***guestbook*.rar**

**Reference**

* HTML & CSS
  + http://htmlreference.io
  + http://cssreference.io
* JavaScript
  + <https://developer.mozilla.org/nl/docs/Web/JavaScript>

**Courses**

* www.udacity.com
* www.codecademy.com
* [www.freecodecamp.com](http://www.freecodecamp.com)

**Note**

* Work together if necessary, but **do not copy**. **In case of fraud, you have to create your own assignment with the same techniques as this one. You have to discuss this with your teacher!!**

# Assessment