

Assignment “PHP Address Database”

The Code is intended to be self-explanatory; however some comments were added as usually.

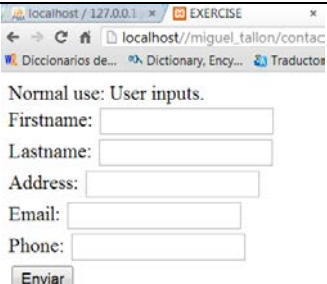
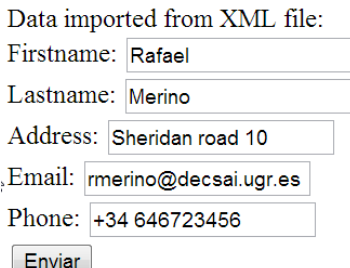
The road map was as follows:

- 1- To refresh the PHP syntax. Install XAMPP, and beginning the creation of the table contact. 2.5 hours
- 2- Try to solve problems separately, following a divide and conquer approach and checking each part is working as expected:
 - a. First, connect to database and insert some data. (1h)
 - b. Then, create the object contact (file contact.class.php) with its constructor. (half an hour)
 - c. Manage the fields from the class, controlling and showing errors. (1 h)
 - d. Take advantage of the implementation to import data from XML file. (1 h)
- 3- Test the program deeply, checking it fulfills each requirement and solve issues. Note that there are still some warnings regarding initialization of the object xml with null values. In my opinion this is preferably than replicate HTML code without the value tag inside <form>. (1h)

The total time was more than expected: $4.5 + 2.5 = 7h$. Note that nothing were implemented in PHP in more than 6 years ago.

Next I will briefly define the code. Note that the program comprises 4 files: contact_form.php, insert_contact.php, contact.class.php and the XML test file (test.xml).

contact_form.php -> This is the main program where the form is displayed. Let me point out the two operation modes: Load an empty form or import data from XML file.

http://localhost//miguel_tallon/contact_form.php	http://localhost//miguel_tallon/contact_form.php?test.xml
 <p>Normal use: User inputs.</p> <p>Firstname: <input type="text"/></p> <p>Lastname: <input type="text"/></p> <p>Address: <input type="text"/></p> <p>Email: <input type="text"/></p> <p>Phone: <input type="text"/></p> <p><input type="button" value="Enviar"/></p>	 <p>Data imported from XML file:</p> <p>Firstname: <input type="text" value="Rafael"/></p> <p>Lastname: <input type="text" value="Merino"/></p> <p>Address: <input type="text" value="Sheridan road 10"/></p> <p>Email: <input type="text" value="rmerino@decsai.ugr.es"/></p> <p>Phone: <input type="text" value="+34 646723456"/></p> <p><input type="button" value="Enviar"/></p>

Additionally the program controls the error on typing the name of the XML file. Showing that the file does not exist but allowing the user to input data.

insert_contact.php -> This code is executed once the user clicks on submit. It connects to the database and instantiates an object of the class contact. It also uses the method (insert) of the contact class to insert a record.

contact.class.php -> The core of the program. This class manages the fields and inserts a new record if validation is successful. Although the validation of the field email could have been carried out manually, I preferred to use the standard function filter_var.