

Database engineering with PHP

week 4

4.1 Assignment 1

Create a web page to use to store software development bug reports in a MariaDB database. Include fields such as product name and version, hardware type, operating system, frequency of occurrence, and suggested solutions.

Bugreporter

Product Name	Version	Hardware Type	OS	Frequency	Solution	Edit Link
Sony Experia	5	Phone	AndroidOS	weekly	Firmware Restore	Edit
Samsung S3	4.6	Tablet	Custom Firmware	after booting up	Recyle	Edit

[Add Bug](#)

Figure 1 - De main page

On the main page , all reported bugs are shown (*hint: use a table*). Figure 1 shows a possible view of the main page.

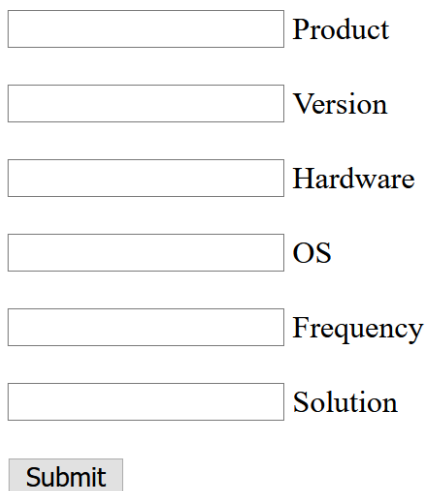
4.2 Assignment 2

Add a link at the bottom of the main page that leads to another page where you can create a new bug report. This new page contains a form in which all the details of a bug can be filled in. When sending this form, it is of course necessary to check for the basic errors (think of empty fields, text and numbers).

If all checks have been carried out positively, the bug must be added to the database. Figure 2 shows what this might look like.

Tip: If you see the added bug in assignment 1, you know everything works as intended!

Add new bug



A form titled "Add new bug" with six text input fields and a submit button. The fields are labeled "Product", "Version", "Hardware", "OS", "Frequency", and "Solution". The "Submit" button is a grey rectangle with white text.

<input type="text"/>	Product
<input type="text"/>	Version
<input type="text"/>	Hardware
<input type="text"/>	OS
<input type="text"/>	Frequency
<input type="text"/>	Solution
<input type="submit" value="Submit"/>	

Figure 2 – Form for adding new bugs

4.3 Assignment 3

On the main page, there should be a **link** behind each bug that directs you to an edit page of the depicted bug. This page contains the same form as in Figure 2, but you need to make sure that the input fields are filled with the input that was previously specified. This allows the user to know what the input was before it is updated. This input can be retrieved from the database.

Figure 3 shows what this page may look like.

Edit bug

<input type="text" value="Samsung S3"/>	Product
<input type="text" value="4.6"/>	Version
<input type="text" value="Tablet"/>	Hardware
<input type="text" value="Custom Firmware"/>	OS
<input type="text" value="after booting up"/>	Frequency
<input type="text" value="Recycle"/>	Solution
<input type="button" value="Submit"/>	

Figure 3 – Editing a bug

Naturally the input must be checked for empty fields and correctness.