

SSDP :: PHP LAB 06

OBJECTIVE Use PHP and MySQL to create a database table administration interface.

REQUIREMENTS A sample of this assignment is available at: http://bcitcomp.ca/ssd/lab06_sample/

You will write a web application that allows a user to administer the students table on the 'bcit' database. The user will need to be able to view the current state of the table, as well as add, delete or edit a record.

Write a PHP page that displays the entire students table as an HTML table, one record per row. Alternate the background color of each row. Include an "Add Student" link somewhere near the table. Include two additional data cells per row, one containing a "Delete" and the other a "Update" link. The screenshot below shows an example of how it might look:



The screenshot shows a web page titled "Students:" on a light brown background. Below the title is a table with 13 rows. Each row has a background color that alternates between light orange and light yellow. The first row has a light orange background. Each row contains a number (1-13), a student ID (e.g., A00123456), a first name (e.g., Jane), a last name (e.g., Sane), and two links: "delete" and "update". The links are underlined and have a red text color. Above the table, there is a link "Add a student" that is underlined and has a red text color.

				Add a student
1	A00123456	Jane	Sane	delete update
2	A00123457	Joe	Schmoe	delete update
3	A00888888	Joey	Dylan	delete update
4	A00654321	Sally	Xu	delete update
5	A00321456	Zach	CoSine	delete update
6	A00456789	Francis	Bacon	delete update
7	A00876543	Emily	Bronte	delete update
8	A00898989	Sonny	Rollins	delete update
9	A00565656	Billie	Holiday	delete update
10	A00121212	Sarah	Vaughan	delete update
11	A00232323	Sarah	Shoes	delete update
12	A00777777	James	Bound	delete update
13	A00111222	Anne	Droid	delete update

The Update and Delete links should send record-specific information via a GET query string to the script(s) responsible for updating and deleting from the database (see the shared FTP server for an example of using the query string).

MORE on next page...

Functional Features

Write script(s) for handling each operation:

- Add Student: Display a form with inputs for Student Number, First and Last names, and a Submit button.
- Delete: Display the record information of the record they chose to delete. Give them one last chance to change their mind, eg: ask the user if they are sure they want to delete the record, and display a form with a radio button option of 'yes' and 'no'.
- Update: Display a form with fields for Student Number, First and Last names. Pre-populate these fields with the current record data. Add a Submit button.

Regardless of the database operation performed, after executing the SQL query, be sure to forward the user back to the page that displays all table data, so that they can see the latest table status.

Usability Features

Provide feedback to the user as they interact with your scripts. Display positive feedback, such as: "A new record has been added to the table" and also error messages, eg: "The record could not be updated as requested."

Security Features

Thoroughly validate all form data. Protect against SQL injection attacks.

SUBMIT Compress all related files and folders into a **.zip** file and upload to D2L drop box before the end of day (11:59pm).