

King Fahd University of Petroleum & Minerals
College of Computer Sciences and Engineering
SWE 363: Web Engineering and Development (Term 201)
Homework Assignment #4 [Dec 5, 2020]

This assignment tests your understanding of basic PHP, MySQL and AJAX

Use the technologies you learned so far to build a responsive page as shown in the below to show a description of a selected course. In addition, the page allows the user to add more courses. It is **mandatory** to use database to store the items data. The expected DB name, table, and fields are demonstrated in the appendix at the end of this file.

The main page will contain the item appearing in the following screenshot:

My Courses

Mr. Mohammed

Select a course from the menu to see the details.

Choose a course:

Select Course ▾

Select Course
SWE 363
ICS 381
COE 412

Code	Course Name	Description
SWE 363	Web Engineering & Development	To provide students with conceptual and practical knowledge, and skills required to develop web applications and web services.

Add a new Course

Course Code:

Course Name:

Description:

A: Client-side requirements:

- Your page should be responsive to be rendered perfectly by different browsers and screen sizes.
- The page shows the name of the student (stored in the database, “student” table).
- The listed course (shown in the select menu) should be obtained from the database using AJAX technology to **provide suggestion to the user when he starts typing item name.**
- When the user selects the course code, the related details of the course (name and description) should be retrieved from the dataset and displayed automatically in a table as shown in the above screenshot.
- When the user clicks on “Add a new course” button, a new div that contains the entry form will toggle down to add details of a new course. After filling the three fields, the user can use “Save to DB” to save the given course. The data should be saved to “Course” table and check for any duplication of the code. .

B: Server-side Requirements:

- Fetch the student name through Sessions
- Fetch the list of courses codes to fill the select menu
- Fetch the details of the selected course
- Save new records to the database.
- Check if there is a duplicated code before adding new course.

D: Database:

- **Use the same labels as shown below in appendix section for naming the database, tables, and fields.**
- **20% will be deducted if labels are misused.**

Submission

1. Publish your website using CCSE server or any free server.
2. Zip all the folder and name it **201-HW4-YOURNAME**, which include the HTML index page and the subfolders. Submit through blackboard.
3. Readme file should include (1) the URL to access your website, (2) any additional features shown in Part C.

Appendix: Tables

Database name: “mycourses”

Students

StudentID	Int
StudentName	String
StudentEmail	String

Courses

ID	Auto generated
CourseCode	String
CourseName	String
Description	String