1. Overview

Create the necessary PHP files using PDO in order to create an application called "Course Manager". This application maintains a list of courses. Each course has a list of students enrolled in that course. The database structure and initial data used for the application is included with these instructions.

If you want to do Node with Mongo as well as PHP with PDO, then each web application will be 10 points.

2. The Home Page

The default or home page shows a list of courses and the enrolled students (if any..) for the first course in your list of courses.

Courses	Student List cs602 - Server-Side Web Development		
cs601	Shirt Street Street Street	Last Name	and the process of the state of the
cs602	John	Smith	john@smith.com Delete
s701	Jane	Smith	jane@smith.com Delete

3. The List Courses page

The List Courses page shows the current set of courses we have in the database, ordered by course id. The page also has the ability to add a new course. The user can also go the home page by clicking the List Students link.

You should have basic validations that check the course name having 2 characters and 3 numeric characters. And, the minimum length is 5 characters and maximum length is no more than the database column width.

The course name should be validated to be at least 2 characters and no more than your width of the column in your database. And, course names typically do not have any meta-characters.



Below is an example of after saving cs520 to the database and updating the screen.



4. The List Student page

The List Student link allows the user to add students to a course. Create a list of courses sourced from the database and fields for entering the first name, last name, and email of a student.

The representation below shows the student listing when there are no student in the course.



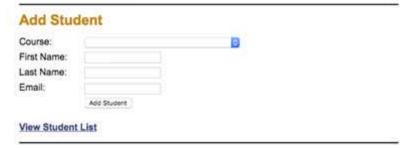
The example below shows 2 students in cs602. There is a button to remove each student from the course.



Add Student page

You should have basic validations like names must be >= 2 characters but not more than your database column width.

Course Manager



The schema to follow for your data modeling (Mongo and MySQL) should be:

```
CREATE TABLE sk_courses (
                 VARCHAR(12)
                                 NOT NULL,
  courseID
  courseName
                 VARCHAR (255)
                                 NOT NULL,
  PRIMARY KEY (courseID)
CREATE TABLE sk_students (
  studentID
               INT(11)
                               NOT NULL AUTO_INCREMENT,
                               NOT NULL,
               VARCHAR(12)
  courseID
               VARCHAR(255)
                               NOT NULL,
  firstName
               VARCHAR(255)
                               NOT NULL,
  lastName
               VARCHAR(255)
                               NOT NULL,
  email
  PRIMARY KEY (studentID)
);
```