**Course Project**

1. In Apache, setup a virtual host for **ipd11phpproject.com**
2. Download the latest code from <https://bitbucket.org/snim/ipd11php>
3. Unzip, and copy files and directories in “ipd11phpproject” to the directory of the document root of your **ipd11phpproject.com**
4. Your application should be capable of performing the following tasks:
   1. Create a new database name “**ipd11phpproject**”
   2. Import “**../sql/ipd11phpproject.sql**” to the database.
   3. Write your own Back-end code in “ipd11phpproject/**ProjectApp**” (if the **ProjectApp** folder does not exist yet, please create it) with the following capabilities:
      1. Getting a list of students
      2. Add new student
      3. Getting a list of courses
      4. Add new course
      5. Register student to a course
      6. Find students by course code
   4. Use .htaccess to rewrite urls for:
      1. Getting a list of students (i.e. /api/student/list)
      2. Add new student (i.e. /api/student/add)
      3. Getting a list of courses  (i.e. /api/course/list)
      4. Add new course  (i.e. /api/course/add)
      5. Register student to a course  (i.e. /api/course/addstudent)
      6. Find students by course code  (i.e. /api/student/by/course)
   5. On <http://ipd11phpproject.com/students>
      1. Use ajax to pull a list of students and display
      2. Use ajax to add new student
   6. On <http://ipd11phpproject.com/courses>
      1. Use ajax to pull a list of courses and display
      2. Use ajax to add new course
   7. On <http://ipd11phpproject.com/course-registration>
      1. Use ajax to pull a list of students and courses
      2. Use ajax to add student to course
   8. On <http://ipd11phpproject.com/courses-per-student>
      1. Use ajax to find a list of students within a course
5. **Important notes**:
   1. Bootstrap (<http://getbootstrap.com/>) is being used as a UI framework. It’s already included in the project folder “ipd11phpproject/assets/bootstrap”. Nothing for you to do. But if you want to be creative and need additional look-and-feel, consult with Bootstrap website.
   2. Use **jQuery** as your JavaScript library. It’s already included in “ipd11phpproject/assets/bootstrap/js”. Nothing for you to do.
   3. Use **ajax** (jQuery.ajax) to communicate with your backend application.
   4. Use “**ipd11phpproject/assets/js/script.js**” to write your javascript functions for handling ajax requests.
   5. Implement **MVC** pattern for your back-end code in **ProjectApp**.
   6. Implement **autoload** where necessary (i.e. **ProjectApp/autoload.php**, etc).
6. **Code submission**. You can zip the document root directory of your functional and final application and upload to LEA’s Team Project assignment.
7. Tips & Tricks
   1. Form validator http://www.formvalidator.net
   2. Activity indicator http://spin.js.org/