

MySQL Database Programming with PHP

Researcher: Shahaf Dan

Institution: Las Positas College

Level: Lower Division Undergraduate, Honors Project

Class: CS45 - Database Programming

Research Focus: Use the learned and taught materials about database programming, design, and structure, to create a project for the school. The project will focus on backend programming using PHP, PDO Database Connectivity, MySQL database programming, and front end development using HTML, JavaScript, and CSS.

Abstract:

The project, 'LasPo Professor', is based on the site Rate My Professor. The project, which is projected to go live on the internet soon, will allow students from Las Positas College to reflect upon their classes and their instructors, leaving upcoming students with input and information regarding the class. This information could allow students to plan better their academic curriculum, and take classes which will fit them better on the personal level, as each student has different and specific academic needs. The project will also focus on the development of front end applications for the web (flexible both for the phone and the computer screens) in HTML5, JS (ES6), and CSS, using the Bootstrap libraries for all of them.

With the use of HTML forms, and AJAX calls, all information inputted into the front end, will be transferred to the PHP backend programming where it will be processed, analyzed, and sent to the MySQL database through a local server. The backend programming will include the development of tables, relationships, views, and specialized query.

The project is projected to go on the World Wide Web through the instructor's personal server (thekomanetslys.com).