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During the development of this project, I started by using an MVC approach, creating classes that contained the SQL query and a controller to create a function that ran the query and could be used simply by calling the controller function on any page the controller file was included in. As a result, the signup and login features use a different code from the others. Moving forward with this approach to create other functions, I encountered errors in including files, as the path to require these controllers and classes was no longer recognizable. Subsequently, I resorted to creating all SQL queries and running these functions within the code. As such, I had to create a different database connection that handled subsequent processes since the original failed.

Given the limited time, I could implement a few functions throughout the website. However, I could not fully deploy the GROUP BY functionalities for sorting through content as Type and Semester. For some content, such as the upload document modal, I changed the design to accommodate the fields necessary to be included in the database and displayed to users. I tried to execute an update for the lecturers' profiles but encountered a few unresolved challenges. I learned new ways of retrieving from the database in PHP and generally enjoyed implementing this project. I would love to discuss enhancing this project for a more practical and user-friendly real-world setting. I am also interested in applying more verification and checks to guarantee accurate information.

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