PROJECT REPORT

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This project is a website designed for helping educational members connect and learn/teach with each other. Members have to login in order to make various posts that can include images and files if they would like. These members can also reply to these published posts, and take quizzes as well.

Various functions have been implemented into this project. There is a login/signup function as soon as a member runs the server depending on whether they have made an account or not. If the member does not have an account, they must sign up by providing their first name, last name, email address, a password as well as a password confirmation. Once they are signed up, they must log in with their new account in order to run the other functions of this website. Once an account has been established, the user can read posts other users have published in the past, comment on these posts, and make posts themselves. Whenever the user makes posts, they have to provide a title and if they would like, they can upload files and images into their posts. Additionally, they can take quizzes respective to the courses established. The user can also navigate majority of these functions through the navigation bar on the top of the screen.

For the Database itself, SQLite was automatically used for this database. It helps store and manage data. Python is used for web development and computing which helps with the functionality of the website. Django is a Python web framework and enables a nice design for mapping various web designs. HTML is used for the framework of websites. It helps create a structure for a user friendly website. Bootstrap is a type of software that makes designing websites clean and aesthetically pleasing in a convenient manner. JavaScript is mainly used to add interactivity to the website.

Some features I would like to highlight are the navigation bars the style of the website. I had used bootstrap to make a user friendly interface, which also enabled me to develop a navigation bar to an even easier user interface. The style of the website is cohesive which helps with the professionality.

In terms of the general functionality of the website, Python and SQLite are the best languages for this task. JavaScript might not be the best for the functionality despite it adding interactivity to the web pages. In terms the aesthetics, Bootstrap is the best language for this since it was very convenient to use. HTML is nice to use for both functionality and aesthetic, but it doesn’t do superb in either field.