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Open Source lab

**Open Source Database Lab 1**

In this lab, you are being asked to create a web based relational database management system that allows for the storage and manipulation of end user comments. The authenticated end user must be able to post conversational threads and comments as well as manipulate their own comments. This lab allows for the use of an Open Source database of your choice. This lab also requires a conversation with Professor Enke regarding your choice of database and the implementation of your system. In addition, the system requirements for the system must be discussed and approved with Professor Enke.

Demonstrate and discuss your lab solution with Professor Enke and upon approval submit all the files you have created via Blackboard.

In this lab I was task to create a web base relational database management system that allows for the storage and manipulation of end user comments. The authenticated end user must be able to post conversational threads and comments as well as manipulate their own comments. This lab allows for the use of an Open Source database of your choice.

**Functional Requirements**

* The software should permit unauthenticated users to see post and responses to post, edit, or delete their own post
* The software should allow authenticated users to post and reply
* Admins should be able to edit and delete their post and replies but also, they can delete other users post
* An authenticated user(non-admin) should be able to edit and delete their post but only theirs
* In this lab you also can like a post and reply.

**Non-functional Requirements**

* The UI should be both appealing and accessible to navigate
* The software should be useful and straightforward to use to not frustrate users
* Forms should be engaging and uniquely designed to display information in a satisfactory manner
* The software should always be quick and responsive despite increases in workload
* Error checking must be performed to avoid unnecessary errors.

**Figure1.1**

A screenshot of a cell phone

Description automatically generated

This is the user page and you can see he log in he can create a post also edit and delete his post and can see the amount of like he has on his post he can reply on them.

The same case applies for the admin but on thing is that the admin can delete users post and reply and between the username and the picture it will say admin.

**Project overview**

This Social Media App was created only using PHP and front-end languages HTML, CSS, and JavaScript. Much like any other social media platform you can post, reply, edit, and delete posts and replies. Admins can delete anything but not edit user’s posts and replies. the plan is to add more into this site adding memories, events gaming makes sure that users can upload pictures. Make it look more pleasant and usable.