CS 396 Term Project

Online Learning Systems

**Overview**

In this project, we aim to build an online learning system to help educate students. The project has three components: the web server, the database, and the web interface.

**Phase 1 Building Website Using Django (Due on Sep. 24)**

In the first phase, we will implement some basic functions of the system.

Your project should be able to do the following tasks:

1. Create an administrator who can delete other users, delete/edit all posts, create new discussion topics
2. Create two types of accounts: students and teachers. With student accounts, students can study lessons in the form of text documents, animations, videos, etc. Also, students can practice with exercises (such as multiple choices). With teacher accounts, teachers can monitor students’ performance (through the results of practice). Students can only view their own results, but teachers can view all students’ results.
3. Provide login function, and sign-up function for new users.
4. Any user can create a new post for questions, and reply other users’ posts.
5. Any user can upload files (could be multiple files) in the posts.
6. Show the numbers of posts and visits, and keep these numbers updated.
7. Your Website interface should be friendly.

Please submit a zip file, including 1. ReadMe 2. Project report 3. Source codes.

ReadMe file includes major instruction steps for repeating your project results. Anyone should be able to follow the instructions and run your source codes correctly. Please do not forget system setting up.

In project report, please include:

1. Project description

2 Functions that you have implemented

3. Technical details: Database server, Software, language/scripts

4. Features you like to highlight.

5. Discussion: what techniques/languages/scripts are better for a particular task? Comparison between different techniques/languages/scripts.