# CP476 Final Project Proposal

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## 1 Project Description

This project is designed to help teachers to manage their teaching materials and knowledge base. Teachers can share the file online, at the same time, students can login and look at the materials. Also, students will be able to add comments and ask questions to the teacher or other students like a forum.

The main demographics of this web application is teachers and students. Users do not require any special abilities to use this web application.

## 2 Requirement

SQL Database (User info) [MySQL DB]

Storage Server (Saving files)

## 3 Components

**Role** There are three different roles in this system. Admin, Teacher, Student. Different roles have different authority. Admins have the highest authority that

will be able to access all the content in the application. Teachers will be able to manage the pages for the contents they created and currently teaching. Students only have the access to the material teacher posted (maybe other students' public comments). Roles will be assigned to users once the account created and identity verified.

**User** There will be a login page and sign in page for user to sign in or sign up. Both pages will be functioning as communicating with user database in order to verify user's info. A User page will display all the info about the current user, include but not limit to username, change password, change contact info, delete account, etc.

**File System** This is the component where all the file saved. Teacher will upload the file to this system so that student can have access to it. Due to the space limitation, each teacher can only have certain number of files at the same time in the system.

# 4   Milestone

**Backend Database**   TBD

**Create Database**   Create the database on somewhere, maybe hopper.

**Create All the necessary table** After the database location is designed, we will manually create all the necessary tables for the database. i.e. user info, files...

**Server-side Script**   TBD

**Account Verify** PHP script where get the form data from clients and verify the account info

**Retrieve data from server**   PHP script where get user data, files from the server

**Receive data from client and save it locally**   PHP

**Client-side Script** TBD Will start but need to decide where is the backend server locate first. All the following will use PHP/JavaScript to implement

**Send the Login/ Signup information to the Server**

**Upload file to the server**

**Front End**      Week 7
All the following page are using the combination of HTML/CSS/JavaScript

   **Index Page**      The main page of the web application

   **User Info Page**      Page where user can manage their account

   **Login/ Signup Page**      Page where user can login /sign up

   **Note Page**      This page allow student to have their own note and to-do list

   **Upload file/ View file page**      This page is for the teachers to upload and for students to view the files

# 5    Flow Chart

start

HaveAccount? —No→ CreateAccount

Yes

VerifyPassword

No

DB

DB

AccessGranted? —Yes→

IsTeacher?

Uploadfile ←Yes— IsTeacher? —No→ Viewfile

Logout

End