In this Quiz you are going to create a basic attendance application.

The initial goal is to allow users to

* logon, (or register)
* Select a course
* Sign them in with a date and time

1. **Create a virtual host named websysquiz2 (5 points)**
   1. **Make sure it is served on port 80 or localhost**
   2. **Make sure it is serving files out of a folder named ITWS2110-F16-yourRCSID-Quiz2**
   3. **<Include the code for this in a file named .htaccess>**
2. Database setup and coding
   1. Database and tables (15 points)
      1. Create a database in either MySQL, MariaDB or PostgreSQL named ITWS2110-F16-yourRCSID-Quiz2
      2. Create a table in the database named ‘user’ to hold (at least) the following;
         1. uid – autoincrmenting primary key
         2. Userid (or username, ala rcsid) varchar(10)
         3. First Name
         4. Last Name
         5. Nickname
         6. Fields necessary to store a secure, salted password
      3. Create a table in the database named ‘courses’ containing (at least) the following;
         1. cid – autoincrmenting primary key
         2. Course ID varchar(10)
         3. Course Name
         4. Populate with some data – at least ITWS2110, and ITWS4500
      4. Create a table in the database named ‘attendance’ to hold (at least) the following;
         1. aid – autoincrementing primary key
         2. Course ID varchar(10)
         3. User iD varchar(10)
         4. Date
         5. Time
   2. Index.php (20 points)
      1. Upon landing user, should be presented with a login page
      2. Allow user to enter a user id and password
      3. If successful bring them to class.php
      4. If unsuccessful,
         1. …And user does not exist, bring them to a register page with the fields for the user table
            1. Add the user to the table
            2. Passwords must be salted and hashed
            3. Upon successful registration, bring them to class.php
         2. …And user exists but password is wrong or missing
            1. Give an error message and let them try again
   3. class.php (20 points)
      1. user should get a list of courses – whether by list, menu, dropdown etc… is up to you.
      2. Upon selecting the course, the user should be brought to signin.php
   4. signin.php (20 points)
      1. user should get a confirmation that they have been logged in the course showing the date and time of signin
      2. Log a record to the attendance database
      3. User should have the option to log out
3. Describe in your README.md file (Do not code this) (20 points)
   1. Describe how you would handle a situation where a user came to the site for the very first time and no database existed (Think install)
   2. Describe how you would propose creating a program to allow for section administration
   3. How could you add functionality to prevent duplicate entries for the same class?
   4. How could you add functionality to prevent people for signing in for friends?

Upon completion, zip up your ITWS2110-F16- yourRCDID-Quiz2 folder and submit it to LMS.

Make sure it contains;

* 1. .htaccess file
  2. ITWS2110-F16-yourRCSID-Quiz2.sql – a file which will contain the commands necessary to recreate your database and tables, including the data
     1. output from phpmyadmin for example
     2. including the CREATE DATABASE command
  3. All of your pages and resources for the application
  4. README.md file