IT 2600 - E-Business Programming Tech
# Lab 12 Requirements

Goals
- Allow a new user to create a username and password.
- After a user has successfully create a username and password, send them to a login page.
- Allow the user to authenticate against their username and password stored in a MySQL table called Users.
- Store passwords using PHP's password_hash() function.
- For this first pass, let's not worry about special characters in the username or password.

Database Storage
- User the existing database it2600 from past labs.
- Create a Users table using the following information.
- The password field should be encrypted using an acceptable hashing algorithm.

Users
varchar(45) user_id
varchar(255) email
varchar(255) password

Required Pages
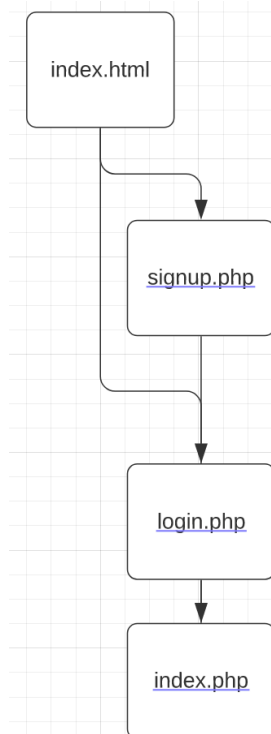
index.html
The first page a user comes to. Display "Course Registration" at the top. Allow the user to select a link to go to a Sign Up page called signup.php or a Login page called login.php.

signup.php
Should display an html form allowing users to enter First Name, Last Name, Email Address, and Password. When the user submits the form, you should validate the form entries to make sure everything is filled in (use whatever you want - html5 required attribute, JavaScript, etc). Then, the form should try to insert the record into the Users table in the it2600 database.

login.php
Should allow the user to input user id and password. Try to authenticate against existing credentials in the User table. If successful, redirect the user to index.php.

index.php
Display their name and user id on the page. Store the name and user id in session variables. If authentication fails, display an error message.