

CS421/621 Lab07

Flask Exercise 2 – Sign up

In this lab, you will be implementing a sign up /sign in interface using Flask and SQLite. We will be defining the basic and required features of a simple login/signup page, feel free to extend the project and implement a better application. You can use your lab7 project and implement the new features. Here are the basic instructions;

- 1) Create lab7 flask app (create all of the necessary subfolder and files such as templates, html and .py files)
- 2) Configure Flask App for SQLAlchemy
- 3) Create a user model in Flask

Sign In Page

The user should be able to enter the **secretPage.html** if and only if he/she enters the correct username and password. The username and the password should be saved in the database.

Sign Up Page

This is the page that we are creating and saving a new user. You should have necessary fields to get the following information;

First Name, Last Name, Email address Password , Confirm Password

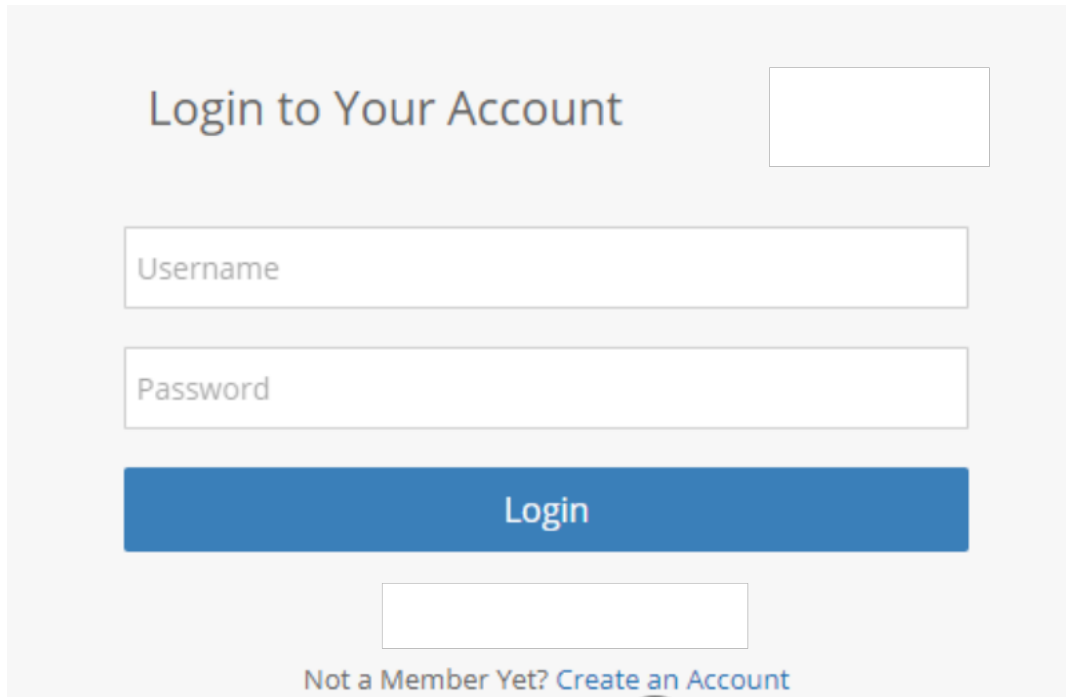
When the user click the register button, all of those information should be saved in the database and the **thankyou.html** page should be displayed. Before creating the profile and registering the user, make sure the passwords are matching and they are satisfying our criteria (from lab7).

Bonus Point (+10):

Check the database and make sure the email address has never been used before.

Sample Pages

Login Page



A login page mockup with a light gray background. At the top left, the text "Login to Your Account" is displayed in a dark gray font. To its right is a small, empty white rectangular box. Below the title, there are two stacked input fields: the top one is labeled "Username" and the bottom one is labeled "Password". Below these fields is a solid blue button with the word "Login" in white text. Underneath the button is another empty white rectangular box. At the bottom of the form, the text "Not a Member Yet? [Create an Account](#)" is displayed, with the link in blue.

Login to Your Account

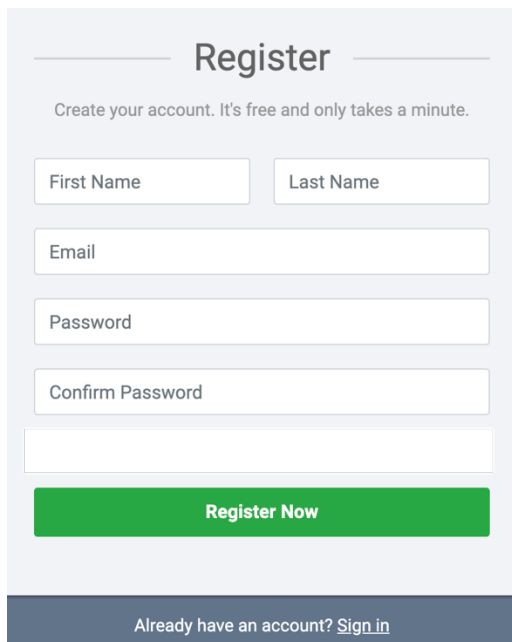
Username

Password

Login

Not a Member Yet? [Create an Account](#)

SignUp Page



A registration page mockup with a light gray background. At the top, the word "Register" is centered in a dark gray font, flanked by horizontal lines. Below it, a sub-header reads "Create your account. It's free and only takes a minute." The form consists of several input fields: "First Name" and "Last Name" are side-by-side; "Email", "Password", and "Confirm Password" are stacked vertically. Below these is an additional empty input field. A solid green button with the text "Register Now" in white is positioned below the fields. At the bottom of the page, a dark gray footer bar contains the text "Already have an account? [Sign in](#)" in white.

Register

Create your account. It's free and only takes a minute.

First Name

Last Name

Email

Password

Confirm Password

Register Now

Already have an account? [Sign in](#)

SecretPage.html

You have successfully signed
in

Thankyou.html



Thanks for registering!

Submission:

Submit all your project files to github

Submit your repo link and ICF to Canvas.