

# 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 lab6 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

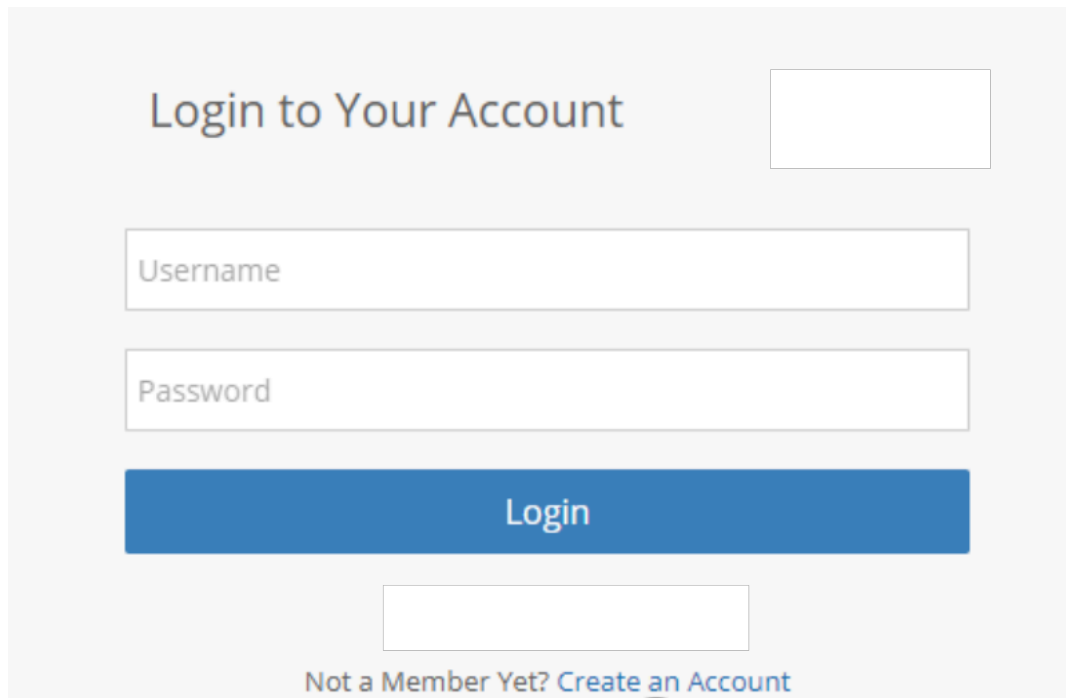
When the user click the register button, all of those information should be saved in the database and the **thankyou.html** page should be displayed. Before creating the profile and registering the user, make sure the passwords are matching and they are satisfying our criteria (from lab6).

### **Bonus Point:**

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

## Sample Pages

### Login Page



A login page UI 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 input fields: the first is labeled "Username" and the second is labeled "Password". Both fields are white with a thin gray border. 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 area, the text "Not a Member Yet? [Create an Account](#)" is displayed, with the link text in blue.

Login to Your Account

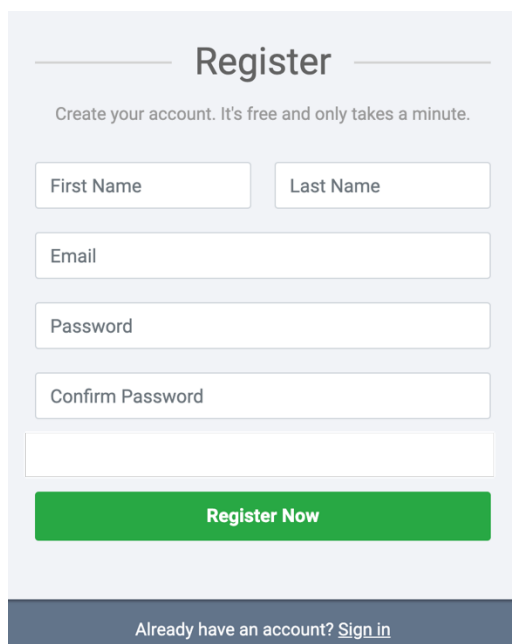
Username

Password

Login

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

### SignUp Page



A register page UI mockup with a light gray background. At the top, the word "Register" is centered in a dark gray font, flanked by horizontal lines. Below this, 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; and there is an additional empty input field at the bottom. A solid green button with the text "Register Now" in white is positioned below the input fields. At the very 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!**