

Lab 4: INFR 3120

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1 Introduction

Welcome to the fourth lab! Remember that all lab activities are expected to be done individually or in group of 2. There are two roles for group members: *driver* and *passenger*. The driver is the person who is typing on the computer, and the passenger is participating in the development by sharing the ideas. If you are in group of 2, you need to frequently (every 15–20 minutes) change your roles.

Remember that when you have finished your lab activities, you need to show your final results to your TA. Try to advertise your work properly. He will provide some feedback to you and record your participation mark.

The lab instructions are set as minimum expectations. You are always encouraged to go beyond the expectation. Challenge yourself, have fun, and learn more.

In this lab, we have a simple task. We will design some admin web pages for your website. We also stylize them using CSS.

2 Setting up

Please first go to the folder of your lab activities that we call “Labs 3120”. Under this folder, create a sub folder and call it “Lab 4”; this is going to be our project directory for this lab. Copy the HTML document that you made last week in this directory (i.e., “index.html”) along with your “images” directory and “mycss.css”. If you have not completed your lab last week, you can start with the sample code provided on Blackboard.

Our long-term goal (through remaining labs) is to make your website a content management system that can be updated through your admin pages. In this lab, we will develop two web pages as your admin pages. One is your “login page” and the other one is what we call the “admin page” for now. Note that these admin webpages are not expected to be functional as we have not still developed the back-end code for them.

3 Personal Website

Now, you will rely on your knowledge of HTML and CSS to create these two web pages. In Figure 1, I have provided how your login page should look like (this is a snapshot of the HTML + CSS page that I wrote). You need to learn how you can use CSS for form elements; see this link for more information https://www.w3schools.com/css/css_form.asp. Make sure to add your CSS commands in mycss.css file that you have already created. Your login button needs to have mouseover effect. The color should get faded when the mouse is over (think how you can do this with “opacity”). Also note how margin and padding set carefully for input boxes. Remember your passwords should not

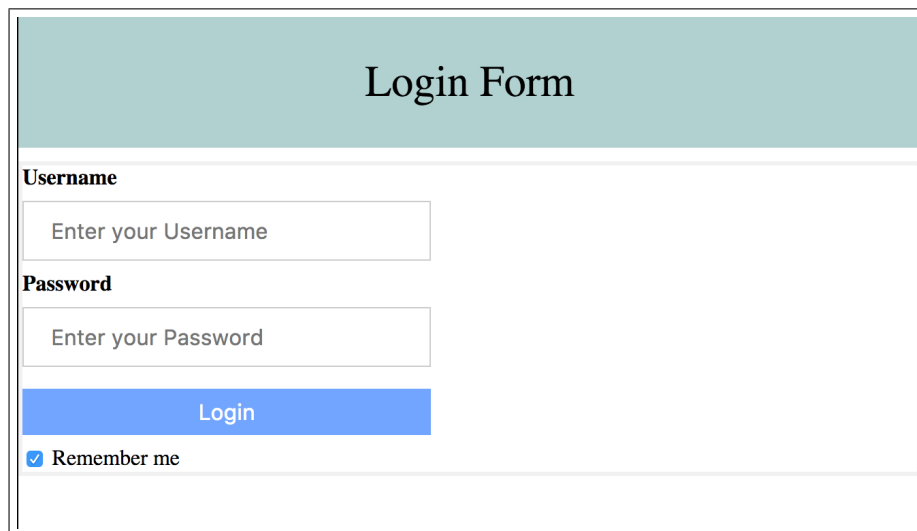
be shown to shoulder surfers :-). Choose the right input type for password box. Also note that “Remember me is checked” by default.

In Figure 2, I have provided how your admin page should look like (this is a snapshot of the HTML + CSS page that I wrote). Again, your update button needs to have mouseover effect, the same as above. Also note how margin and padding set carefully for input boxes. The ”choose file” button should open a window for you to let you choose an image from your own computer. Learn how you can make this happen. Hint: this is very easy and can be done purely by HTML :-)

In the next lab, we learn how to write JavaScript codes to validate your inputs (e.g., email address, etc.)

4 Practice: JavaScript Exercises

If you have done this lab activities in advance, I strongly suggest you to do some exercises on Javascript programming. Go to this link <https://www.w3resource.com/javascript-exercises/>. There are many JS exercises in various levels of difficulty. At least chose 10-20 of them based on your level of programming skill, and try to tackle them. There are solutions to these exercises too. Remember to first challenge yourself, and then look at the solutions.



The image shows a login form with a teal header containing the title "Login Form". Below the header, there are two input fields: "Username" and "Password", each with a placeholder text "Enter your Username" and "Enter your Password" respectively. Below the password field is a blue "Login" button. At the bottom, there is a checkbox labeled "Remember me" which is checked by default.

Figure 1: Login Page

Admin Page

Name

mail address

Phone number

Phone Number

Email Address

email address

About me

Write your bio here

Image File

Choose File

No file chosen

Update

Figure 2: Admin Page