

# Lab 5: INFR 3120

Amirali Abari  
Faculty of Business and IT  
Ontario Tech University

## 1 Introduction

Welcome to the fifth 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 write client-side codes which validate the entries of input fields that you code in the last lab.

## 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 5”; this is going to be our project directory for this lab. Copy all the content of Lab 4 to this directory (e.g., index.html, admin page, login page, css, etc.). If you have not completed your last week lab, you can start with the sample code provided on Blackboard.

In this lab, we will develop client-side methods for validating the input boxes in the admin page and login page that you designed last week.

## 3 Form Validation

For doing this lab, you have two choices: (i) you can implement everything with your knowledge of JavaScript or jQuery. (ii) Learn a cool jQuery library for form validation and use it in this lab.<sup>1</sup> If I were in your shoes, I would choose the second option as it makes everything easier.<sup>2</sup> See the following url for learning about jQuery Validation Plugin: <https://jqueryvalidation.org/>

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<sup>1</sup>Yes, we still have not covered jquery in the class but you can easily learn this library from the provided link.

<sup>2</sup>We are changing gear in this lab and other upcoming labs. Rather than practicing basics, we learn how to use existing libraries to get your job done!

Here, I detail the validate rules that you should implement and the error messages that must be shown for invalid inputs.

**For login page:**

- username input is required. If it is empty, show error message of “Please enter your username.”
- username input should be at least 5 character. If it is less than 5 character, show error message that “Please enter at least 5 characters.”
- password input is required. If it is empty, show error message of “Please enter your password.”

**For admin page:**

- name input is required. If it is empty, show error message of “Please enter your first and last name”
- name input should be at least 5 character. If it is less than 5 character, show error message that “Please enter at least 5 characters.”
- phone number is required. If it is empty, show error message of “Please enter your phone number.”
- If the phone number is invalid north American phone number, show error message of “Please specify a valid phone number.”
- email is required. If it is empty, show error message of “Please enter your email address.”
- If the email address is invalid, show error message of “Please specify a valid email address.”
- “About me” is optional. But if an entered text is less than 20 characters, show the message error of “Please enter at least 20 characters.”

Some snapshots on how your html pages should look like are shown below. You might need to modify your CSS file to achieve this. Good luck and have fun!

# Login Form


**Username**

ami

Please enter at least 5 characters.

**Password**

Enter your Password



Please enter your password.

Login

☒ Remember me

Figure 1: Login Page

# Admin Page

**Name**

amir

Please enter at least 5 characters.

**Phone number**

al3

Please specify a valid phone number

**Email Address**

w

Please enter a valid email address.

**About me**

a

Please enter at least 20 characters.

**Image File**

Choose File

no file selected

Update

Figure 2: Admin Page