Lab 6: INFR 3120

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1   Introduction

Welcome to the sixth 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. He will provide some feedback to you and record your participation mark. The lab instructions are set as minimum expectations. You are always encourage to go beyond the expectation. Challenge yourself, have fun, and learn more.

In this lab, we have a simple task. We would like to practice our knowledge of AngularJS to make our "index.html" more compatible with how dynamic pages should be designed.

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 6"; this is going to be our project directory for this lab. Copy all the content of Lab 5 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 mainly focus on index.html to make it ready for server-side codes that we are going to develop in future labs.

3   Task Description

You first needs to create a file called "myJS.js" in your project directory. Then, include the AngularJS library and myJS.js in the header of the index.html page. Now, you need to define your angular application and a controller in this file such that the controller has the following variables with these initial values:

```
name = "Alex Cool";
faculty= "Faculty of Busienss and IT";
university = {name:"University of Ontario Institute of Technology",
 url:"http://www.uoit.ca"};
contacts = {email:"abari@uoit.ca", phone:"xxx-xxx-xxxx"};
skills = [
```

```
    {name: "Web Security",
     text: "I am so great in web security."},
    {name: "Typing with my toes",
     text: "I can type 500 words in a minute with my toes!!!"}
];
prog_skills = ["C++", "Java", "Python"];
courses = [
  {
    name : "Web Programming",
    number: "INFR 3120",
    time:["Monday 2:10--3:30",
       "Wednesday 2:10--3:30"],
    instructor: "Amirali Abari"
  },
  {
    name : "Web Programming",
    number: "INFR 3120",
    time:["Monday 11:10--12:30",
       "Wednesday 11:10--12:30"],
    instructor: "Amirali Abari"
  },
  {
    name : "Best Programming",
    number: "INFR 3120",
    time:["Monday 2:10--3:30",
       "Wednesday 2:10--3:30"],
    instructor: "Amirali Abari"
  }
];
```

You should edit the values of these variables to include your own information. Also, you need to slightly change the name of these variables when you are putting them in your Angular controller (Hint: remember $scope). Now modify the code of your index.html to use these variables. Some specific tasks follow:

- Your name on top of the page, in contact section, and bottom of the page all come from the "name" variable defined above.

- All contact Information about faculty, university, email address, and phone number should come from their relevant variables.

- Your professional skills heading (i.e., the bold part) and their explanation should come from the "skills" variable. Hint: use ng-repeat.

- Programming skills should come from the prog_skills variable. Hint: use ng-repeat.

- The content of course schedule table should come from the array of courses. Hint: use ng-repeat and also you might need to use <tbody> to iterate over two rows.

- Define events for your table such that if each header of column is clicked, then all rows are ordered by that column.

Good luck and have fun!