CIT 483/583 Lab – Ruby on Rails

Fall 2018

**Instructions**

Open and save this file in any MS word-compatible format as Lab11\_*Firstname*\_*Lastname*.<ext> and place your answers in that document. Do a **Save-As** and retain all of my content. Keep the document safe in case your submission fails, or you discover an error prior to the due date and wish to re-submit. Submit your document to the Lab11 dropbox in Canvas. The due date and any other pertinent information are noted in the Canvas item.

This lab should be completed in the Cloud9 development environment. If you have a legacy account (created prior to Amazon acquiring Cloud9), the log in URL would be <https://c9.io/login>. Most of you will be signing up for the first time, in which case you should start at <https://aws.amazon.com/> and follow the instructions for creating an account or signing in as the case may be.

**Place the screenshots in or immediately following each question.**

1. After signing in to Amazon Web Services, click on the Services pulldown, or type "Cloud9" in the search bar. There are a number of services available under different categories. Cloud9 is under Developer Tools. Place a screenshot of the AWS Cloud9 landing page here:

Don't worry about any warning to the effect of using the root account. You are the only person that will be using this account.

1. In another browser tab or window, go to <https://www.railstutorial.org/> and click on the **Read** link. You don't have to buy anything to use the online version of the book. Place a screenshot of the first page of chapter 1, "From zero to deploy" here:
2. Rather than me duplicating instructions, work through Chapter 1 to create and run the *hello\_app*. If in doubt at any screen, accept the defaults unless otherwise instructed in the guide. Some sections are optional, as noted below.

**NOTE: Read every word carefully, take your time**, and PLEASE don't ask me 100 questions about things that are clearly written in the guide in black and white. Any issues I found working through the process are noted in this document. If it didn't happen to me as a new user, tmccord11, it shouldn't happen to you.

* 1. Commands shown with a **$** prompt require a terminal, which you can launch using the green **+** button or Alt-T.
  2. Make sure you are in the directory shown before running commands. If you type "cd" and it takes you to your home (~), you'll have to cd into *environment* or a subdirectory of it in most cases.
  3. When you start the app in Section 1.3.2 with *rails server*, it will listen on localhost:8080, not port 3000 as indicated in the guide. When you click the Preview pulldown and choose "Preview Running Application," it will complain. Locate the button in the upper-right corner of the Preview pane to "Pop Out into New Window" and it will appear.
  4. After making the edits in section 1.3.4, if you haven't already stopped the rails server process, Ctrl-C in that terminal and restart it. You will see the new root of the app, with "hello, world!" displayed.
  5. Section 1.4.1 starts out saying "The cloud IDE recommended in [Section 1.2.1](https://www.railstutorial.org/book/beginning#sec-development_environment) includes Git by default, so no installation is necessary in this case." You don't have to do any of these steps, but you may want to read it if you've never used git.
  6. Likewise, you don't have to do Section 1.4.3 re: Bitbucket.
  7. You don't have to deploy the app to Heroku (Section 1.5) for this lab, but we may deploy our project to Heroku.

Place a screenshot of the hello\_app home page here:

1. Work through Chapter 2 (Toy App) as directed up to the end of section 2.2, keeping in mind the lessons learned in Chapter 1.
   1. As in Chapter 1, you can skip the git and Bitbucket instructions and heroku deployment.
   2. Though it doesn't show the path, all *rails* commands should be run from the base directory of the app, *~/environment/toy\_app* in this case.
   3. You can watch the server handle HTTP requests in the terminal in which you run *rails server*.
   4. Once the toy\_app /users page is configured, create a user with your name and email address.

Place a screenshot of the */users* page here:

1. Continue in Chapter 2, creating the Micropost scaffolding, etc., through Section 2.3.4. Create a micropost as the user created above and place a screenshot of the */microposts* page here: