# CPSC 473 - Web Programming and Data Management

## Spring 2015

### Final Homework Assignment, due the week of May 4

1. Read [AngularJS for Absolute Beginners](http://medialoot.com/blog/angularjs-for-absolute-beginners/).
2. If you prefer video, try watching [AngularJS Fundamentals in 60-ish minutes](https://www.youtube.com/watch?v=i9MHigUZKEM), then re-read the tutorial.
3. Modify [Example 2](https://github.com/semmypurewal/LearningWebAppDev/tree/master/Chapter4/Example2) from [Chapter 4](http://proquest.safaribooksonline.com/book/web-design-and-development/9781449371388/4dot-the-interactivity/ch04_html) (“[Our First Interactive App](http://proquest.safaribooksonline.com/book/web-design-and-development/9781449371388/4dot-the-interactivity/ch04_html#X2ludGVybmFsX0h0bWxWaWV3P3htbGlkPTk3ODE0NDkzNzEzODglMkZjaDA0X2h0bWwmcXVlcnk9),” aka “Comments,” aka single-user chat) to use AngularJS:
   1. Create a module
   2. Create a view for the <main> part of the page
   3. Create a controller for the view
   4. Use data binding for both .comment-input and .comments
   5. Add initial comments to the $scope
   6. Add a method to the controller for addCommentFromInputBox
4. Answer the following questions:
   1. Do you find the code to be simpler when using AngularJS? If so, how? If not, why?
   2. Would a beginner to front-end development find the code to be simpler? Why or why not?
   3. How might the structure provided by AngularJS simplify building larger web applications?

#### Tips

* Unlike the [last assignment](https://docs.google.com/document/d/14uZLsh0y8GINW3F2WnFmIdoUF5anSow_Z7vQjQCDNVg/edit?usp=sharing), this one is actually easier than it sounds (assuming that you attended class and worked through the tutorial, of course).

#### Submission

E-mail the following items to [csuf.kenytt.net@gmail.com](mailto:csuf.kenytt.net@gmail.com):

1. A link to a new GitHub repository containing your application
2. Screenshots showing your application in action
3. Set the Subject: line of your e-mail to  
     
    [CPSC 473 - Section 1] Assignment 10  
   or  
    [CPSC 473 - Section 2] Assignment 10  
     
   as appropriate (Wednesday night is Section 1; Monday night is Section 2).

#### Grading

One point for each component of Steps 3 and 4, plus one point for a fully-working application.

Your code must be properly indented. Failure to do so will result in loss of a point. If you cannot figure out how to do this, click [here](http://jsbeautifier.org/).

Your code must pass JSHint using the configuration shown [here](https://gist.github.com/ProfAvery/c5db1692c457c526601c). Failure to do so will result in loss of another point.

Your submission e-mail must have the correct Subject: heading. Failure to do so will result in loss of a point.