# CPSC 473 - Web Programming and Data Management

## Spring 2015

### Homework Assignment 8, due the week of April 13

In this homework assignment, you will rewrite portions of your URL shortener from [Assignment 7](https://docs.google.com/document/d/10NTXX77V3TpOvrMfYaDw6rr2bq7SIgBFAEuOTjzHf_Q/edit?usp=sharing) to use [MongoDB](http://try.mongodb.org/) instead of Redis.

You may use either [Mongoose](http://mongoosejs.com/) or the standard [MongoDB API](http://docs.mongodb.org/ecosystem/drivers/node-js/).

#### Tips

* The difficulty of this assignment will depend on
  + Whether you successfully completed the previous assignment
  + How well you designed your solution
* Consider using a MongoDB [capped collection](http://docs.mongodb.org/manual/core/capped-collections/) for the top-ten list
* You may find that MongoDB is particularly well-suited to creating Web Service API-style applications. If you created a more traditional dynamically-generated HTML application for the previous assignment, consider alternative designs.

#### 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 8  
   or  
    [CPSC 473 - Section 2] Assignment 8  
     
   as appropriate (Wednesday night is Section 1; Monday night is Section 2).

#### Grading

Grading criteria are the same as [Assignment 7](https://docs.google.com/document/d/10NTXX77V3TpOvrMfYaDw6rr2bq7SIgBFAEuOTjzHf_Q/edit?usp=sharing).

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.