

San José State University  
Department of Computer Science

CS/SE 157B

Section 3

# Database Management Systems II

Spring 2018

Instructor: Ron Mak

## Assignment #7

**Assigned:** Thursday, April 12

**Due:** Friday, April 20 at 11:59 pm

**Team assignment**, 100 points max

### MongoDB and REST

Create a simple web application that uses node.js, Express, and a MongoDB database. You can use your database from Assignment #6 or create a new one. Use either Monk or Mongoose to talk to the database:

- Monk: <https://www.npmjs.com/package/monk>
- Mongoose: <https://www.npmjs.com/package/express-mongoose>

Create web pages to:

- display documents
- add and delete documents
- update documents

Create a RESTful API to perform CRUD operations on your MongoDB database. Implement each of the list, show, new, edit, create, update, and delete RESTful actions. This application can be part of your final project or it can be a separate app just for this assignment.

### Report

Write a short informal report with screenshots that clearly demonstrate that you have successfully implemented these features. Include screenshots that show the RESTful actions.

## What to turn in

Submit to Canvas: **Assignment #7**.

- A zip of your project files. Please do not include the **node\_modules** folder since it's usually very large and the grader can easily recreate it.
- Instructions on how to run your application. Be sure to include any required user names and passwords.
- Your report.

## Rubric

Your work will be graded according to these criteria:

Criteria	Max points
<ul style="list-style-type: none"><li>• <b>RESTful actions</b><ul style="list-style-type: none"><li>○ list</li><li>○ show</li><li>○ new</li><li>○ edit</li><li>○ create</li><li>○ update</li><li>○ delete</li></ul></li></ul>	<ul style="list-style-type: none"><li>• <b>70</b><ul style="list-style-type: none"><li>○ 10</li><li>○ 10</li><li>○ 10</li><li>○ 10</li><li>○ 10</li><li>○ 10</li><li>○ 10</li></ul></li></ul>
<ul style="list-style-type: none"><li>• <b>Report with screenshots</b></li></ul>	<ul style="list-style-type: none"><li>• <b>30</b></li></ul>