

## Section 10: Final Exam Review

Due Date: Tuesday, December 5

## 0. SQL, PHP, and JavaScript with JSON

Consider the following JSON object:

```
{ "TAs" : [  
  {"name" : "Kelley", "section" : "AA"},  
  {"name" : "Daniel", "section" : "AB"},  
  {"name" : "Sam", "section" : "AC"},  
  {"name" : "Melissa", "section" : "AD"},  
  {"name" : "Conner", "section" : "AE"},  
  {"name" : "Jeremy", "section" : "AI"},  
  {"name" : "Manesh", "section" : "AL"}]  
}
```

- (a) Write SQL to create a table called 'CSE154TAs' with the primary key "Section" and additional column 'Name'.
- (b) Write a PHP function that takes as parameters a JSON object in the format of the given example and a PDO object that is connected to the database which has your table from part (a). This function should populate your table from part (a) with each TA's information. You do not need to call your function - just implement it assuming it was called with JSON and a PDO object.
- (c) Write a JavaScript function that takes as parameters a parsed JSON object and populates an empty <div> with id `tas`, where the <div> is accessible from the HTML page linking to the JavaScript function. Your function should create an unordered list with list items each in the format of:

```
<li class='ta'><span class='name'>TANAME</span> (<span class='section'>SECTION</span></li>
```

Replace 'TANAME' and 'SECTION' with each TA's name and section. You should have the same number of list items as TA's in the JSON. Do not add anything to the div if the JSON parameter is empty.