CSCI 3308 Software Development Methods and Tools **Fall 2018**
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Lab 9 - Basic CRUD operations using Node.js

Instructions:-

- In this lab you will be create a full-blown web-app that integrates the frontend with a database using Node.js.
- The webapp we would be creating will look exactly like: https://csci3308-lab9.herokuapp.com/. It would be a good idea for all of you to use this as a reference while solving this lab!
- **Please read and follow all the instructions carefully while you solve this lab.** Most answers are in instructions. So keep an eye out for them.
- Since we will be working with a lot of file, it is recommended that you use non-terminal editors. For example - Sublime text, Atom, etc for this lab.

Prerequisites:-

1. PostgreSQL v.10.5

- Make sure you have PostgreSQL installed on your machine. **If not**, run the following commands(**ignore** the '$' symbol) in your terminal to install PostgreSQL.

➔ Ubuntu OS - VM :-

```
$ sudo apt-get update
$ sudo apt-get install -y postgresql postgresql-contrib
$ sudo service postgresql start
```

➔ Mac OS:-

Download and install PostgreSQL v.10.5 using the link:
https://www.enterprisedb.com/downloads/postgres-postgresql-downloads.

2. Node.js and NPM (using NVM)

NPM: Node package manager is a tool that helps you to download and install Node.js libraries or packages from the internet!

NVM: Node version manager is an "active" Node.js version manager. You can have multiple versions of Node.js on the same machine and switch between them using nvm.