**Instructions:** Carefully read the provided details for the scenario. As you work on the final, you are expected to document the tasks you have completed. This documentation is factored into the grading process. You may ask only the instructor questions and that is only to clarify what is expected on the final. There is no guarantee for answers. You must work alone.

**Scenario Details:**

You have recently been hired by Dynamic Solutions Incorporated as their new System Administrator. This company has only been in existence for two weeks and it is small (less than 20 people total). Their main focus of business is to provide IT consulting services within the Chippewa Valley. Alicia, the IT Manager (your boss), has been in meetings this past week and has met with Tom (President), Eric (Chief Operations Officer), and Tina (Business Development Manager). She has called you into her office, asks you how things have been going, and starts discussing with you about the next project. Using what you have learned in Network Directory Services at CVTC, you were able to add a lot of great ideas, and you both were able to come up with a list of project deliverables, which you will have completed in the next couple of days. The discussed deliverables are below:

1. Create a directory information tree structure within OpenLDAP. Include the following people and their respective roles:
   1. Tom Draz – President
   2. Eric Brusky – Chief Operations Officer (reports to Tom)
   3. Matt Mickelson – Chief Technology Officer (reports to Tom)
   4. Alicia Banit – IT Manager (reports to Matt)
   5. Tina Schwartz – Business Development Manager (reports to Eric)
   6. You – System Administrator (reports to Alecia)
2. Come up with a list of usernames and passwords for each person. In addition, for testing purposes…come up with email addresses and phone numbers as well.
3. Create a MySQL database called **dynamicsolutions**
4. Within the database, create three tables, create the appropriate columns to go with it, and populate it with test information if it was not provided:
   1. **Employees** – This table will store information about the people who work at our company. **empid,** **firstname, lastname, username, address, city, state, postalcode, homephone, cellphone, email** are valid columns.
   2. **Customers** - This table will store customer information on who we do business with. **custid, custname, address1, address2, city, state, postalcode, email, phone** are good starting columns.
   3. **Projects** – This table will store project information on work that we complete for the customer, which will later be billable. **projectid, shortdesc, longdesc, custid, empid**
5. Create a backup of the database and copy the dump file to a safe place.
6. Download the following project: <https://github.com/mickelsonm/nginx-minimal> Next, make a port configuration change. Instead, of port 8080 use 7070 instead. Get the project to run on your server and prove that it works within the web browser.

**Grading Details:**

Work completed in OpenLDAP? Does the structure make sense? \_\_\_ / 10

Usernames and passwords created and listed for each user? \_\_\_ / 10

Database, tables, columns, and test information created per specification? \_\_\_ / 20

Database was backed up and copied to a safe place? \_\_\_ / 10

Does the Nginx web server run? Was the necessary configuration work done? \_\_\_ / 10

System documentation makes sense, is detailed, and offers value? \_\_\_ / 20

Total points: \_\_\_ / 80