

Goal

In this assignment we are going to try to create a simple contact list page.

The result should look something like this:

Nathan's Contact List

Name

Email

Phone Number

Notes

Send

Nathan's Contacts

Name	Email	Phone Number	Note
My Cool Contact	TheirEmail@CoolDomain.com	1882288834	Some Cool Notes About Users
nathan	foo@bar.ca	123456789	ASDASDASD
Someone Else	cool@things.ca	0987654321	Super Cool

This will require that you create:

1. A simple page with a form that submits at a minimum the following into a database
 - a. Name
 - b. Phone Number
 - c. Email
 - d. Notes
2. It should then print out any contacts in the database into a table on the page.

Bonus

If you finish early, try to create a more complicated database and improve the look of the website.

General Instructions

Create the HTML/CSS

1. Create the layout
2. Create the form and inputs for the form
3. Ensure that the form points to the PHP/NodeJS script

Create the Database

1. You will need to create
 - a. A new database
 - b. A new user for the database
 - c. A new table within the database for the contacts
2. You will need to allow the user access to the database and remember to flush privileges!

Create the PHP/NodeJS

1. You need to have a PHP or NodeJS script
 - a. that inserts the data into the database
 - b. that gets all the data from the database and prints it into the table

PHP Functions/Variables You May Need

```
// MYSQL FUNCTIONS //  
mysqli($server, $username, $password, $database);  
prepare();  
bind_param();  
execute();  
fetch_assoc();  
close();  
  
// FORM FUNCTIONS and VARIABLES //  
isset();  
$_POST  
$_GET  
  
// Redirecting Pages  
header();
```

NodeJS Functions/Variables You May Need

```
require('mysql2');  
require('express');  
require('path');  
app.use(express.static(path.join(__dirname, 'public')));  
app.use(express.urlencoded());  
app.listen(port)  
app.get()
```

```
app.post()  
mysql.createConnection({host, user, password, database});
```