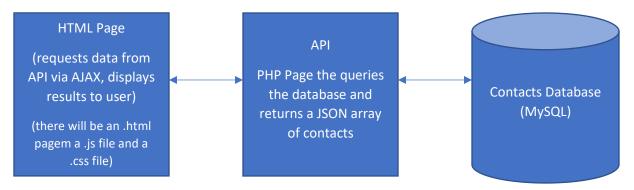
Assignment 5 – Due 11 PM November 16th

Write a PHP page that retrieves data from a database and displays it in a table. There will be three steps:

- Create the **database**. There is a .SQL file that will create a new database and create a table called "contacts".
- Create the **service** page (API). This page is PHP and should connect to your database, returning all of the Contacts records as a JSON array.
- Create a **client**/consumer page. This page shall use AJAX to make a request to the service page (API) and output the results to the page.

To get started, fire up AMPPS and go to http://localhost/phpmyadmin. At PhpMyAdmin, you'll want to import the SQL file, which will create the database (contacts) and table (contact) with 100 rows of data.



Hint:

- Your API is very similar to the service.php in serviceExample (on Acorn).
- Your HTML page should be very similar to the one you used in Assignment 3 (or the Weather JSON example, where you retrieve data from a URL and display the data on an HTML page).

Your solution should contain the following:

- 1. Your project should be posted on falcon (but get it running locally on APPS first!)
 - 1. This will require some modification to your .sql script (see notes)
- 2. Your project should be both submitted to the drop box for grading (should contain an .html, .js, .css, and a .php file).

Marking Scheme: The marking of this assignment is **out of 20** will focus on meeting the requirements listed above, the fact that all components work and work together and effort/creativity exercised by the student. The following points will be awarded: 0 (poor), 1 (average) or 2 (well done) points for each of requirements listed above.

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the due date in order for the assignment to be marked.

Submission: You will need to place your solution for the assignment on falcon so that the TA can review it for marking. Place it in a directory http://falcon.acadiau.ca/~username/Assignment5/. We will not go searching for websites. Please ensure the website is assessable as requested or marks will be deducted. After you have successfully completed the assignment and ensured that it is web accessible, zip up all of the components and submit it to acorn.acadiau.ca. This must be received by

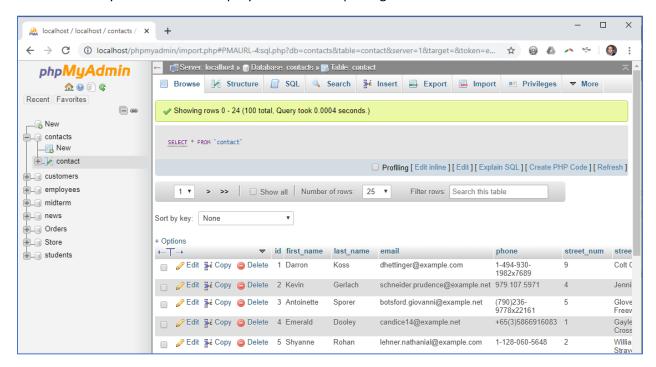
Please contact me or your TA if you need help, and feel free to utilize the discussion forum. You may also use the various files and templates on Acorn and any material from the lectures.

Notes: You only have one database on Falcon, likely your username _db. There's a .txt file in your falcon root folder with the db name and password. You'll need to **comment out** the create database part of the SQL **and** the create user part, and modify the USE statement, using your db name. Then you can SSH into falcon, log into MySQL, and run the source script (SQL – upload the file to your root directory first). The create table and insert statements in the script will generate a table with data in your falcon database. Update the connection strings in your service.php page accordingly (db name). Host will remain as "localhost", as both your php page and db are on the same server (falcon).

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More Info

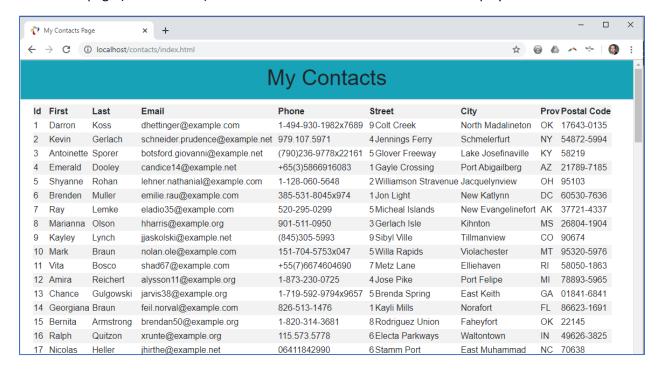
You should see your database in PhpMyAdmin after importing the .SQL file:



Your API should return JSON, such as this:

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Your HTML page (when it loads) should retrieve the data from the API and display it in an HTML table:



With Dev Tools open (Chrome), you should see the service call being made when the page loads:

