CSCI3000 – Midterm – Part 2

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# Goal:

Show basic understanding of PHP/MySQL

# Grading:

Max Points: 35/29 + (31/31 from Part 1) = 66/60

* Submission/Naming: 1pts
* Validation: 6pts
* Database/Table Setup: 8pts
* Form Submission: 8pts
* Display Table Data: 6pts
* BONUS: 6pts

# Instructions:

## Submission/Naming: (1pts)

* Modify file: first\_last.php (1pt)
* Include first\_last.sql (created during Database/Table setup)
* Include first\_last.css and first\_last.js if you modified them
* Upon completion, upload a zip all your files and upload to the midterm dropbox

## Validation: (6pts)

* First Pet Name (1pt)
  + Greater than 2 characters
  + Less than 25 characters
* Favorite Type of Pet (1pt)
  + At least one option chosen
* What Other Types (1pt)
  + Only validate if “Other” chosen in favorite type
  + Greater than 2 characters
  + Less than 25 characters
* Number of pets (1pt)
  + Numeric value check
* Do you like cats (1pt)
  + Confirm value is either “yes” or “no”
* How many cats do you have (1pts)
  + Confirm value is a valid number from the options if Do you like cats is equal to “yes”

## Database/Table Setup: (8pts)

* Create new database “first\_last\_midterm” (2pt)
* Create new table in the database “form” (6pts)
  + “id” field as primary key with auto-increment
  + “name” field as varchar with a size of 25
  + “fav” field as varchar with a size of 100
  + “otherpet” field as varchar with a size of 25
  + “number” field as int
  + “cats” field as varchar with a size of 3
  + “catcount” field as int
* From phpMyAdmin (1pt)
  + Click on the table
  + Click on the “Export” tab
  + Choose “Custom – display all possible options”
  + Scroll down to “Format-specific options:”
    - Choose “structure” instead of “structure and data”
  + Click “Go” at the bottom
  + **Include this file with your other uploads when submitting your midterm**
    - Note, save this or rename this to, first\_last.sql

## Form Submission: (8pts)

* If form submission validates, insert new row into table with submitted values (3pts)
  + Note: semicolon separate checkboxes into a long string for storage
* If form submissions do not validate (5pts)
  + Refill form with values (3pts)
  + Put a red border around fields that were not completed (2pts)

## Display Table Data: (6pts)

* Query form submissions from DB (3pts)
  + Sorted by Number of pets and then Pet Name
* Modify the current HTML table to show all 6 columns of data from the database for all records in the table (3pts)

# BONUS: (6pts)

Apply the JQuery plugin <https://www.datatables.net/> to your table. Ensure the sorting/search/paging/number features all function correctly, like the example on the home page.