**CS 290 Final Project Check List**

**(100 points) Due Friday Week 10 at 11:59 pm.** Complete and add comments to assist in grading

**Project Description:** (2-5 paragraphs and URL) (5 points)

**My project is a food pairing database search engine. It currently only works for the keyword “apple” but more will be added overtime. For it’s main design and style, it uses twitter’s bootstrap and for its behavior, the website uses jQuery and javascript. Most of the design was built from Bootstrap’s core from their documentation. The interface with the database is done entirely through PHP and a little bit of AJax to process the favorites and login.**

**The homepage has a Google style search bar that leads to a search.php page. The search results page returns a table of whatever ingredients or foods that goes well with your query. The source of the data is derived from the book “The Flavor Bible.” This book is used in many kitchens for a source of creativity when creating dishes. I wanted to create this idea as there is nothing on the Google that is similar and free.**

[**http://web.engr.oregonstate.edu/~nguyalex/cs290/final/index.php**](http://web.engr.oregonstate.edu/~nguyalex/cs290/final/index.php)

**Website Layout:** (draw layout) (10 points)

* ~~At least 5 pages including a Login, About (or Contact) and Main/Home.~~
* ~~Most pages should have navigation bars, headers and footers.~~
* All instructions/directions on how to use the website should be included on the webpages or on a help page.

**HTML5 Requirements** (5 points)

* ~~Validate html pages.~~
* ~~Use HTML5 features when possible.~~

**CSS Requirements** (5 points)

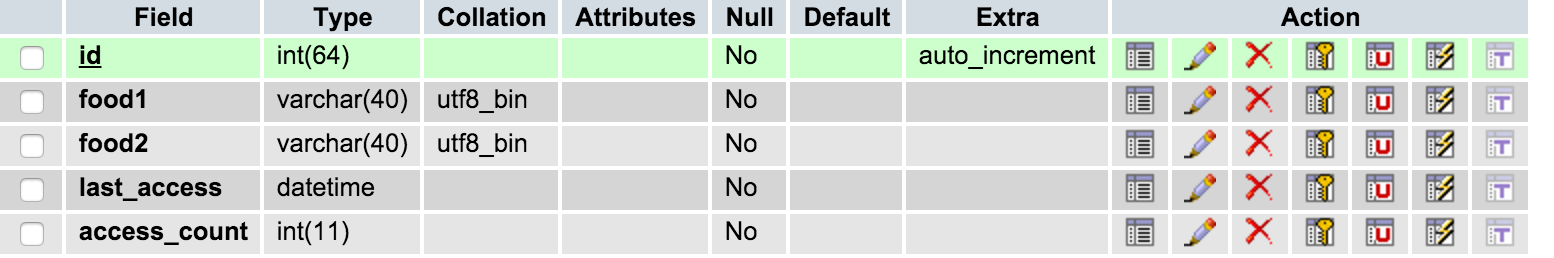
* ~~The website should look “polished”.~~
* ~~You should have at least one external CSS file.~~

**JavaScript Requirements** (15 points)

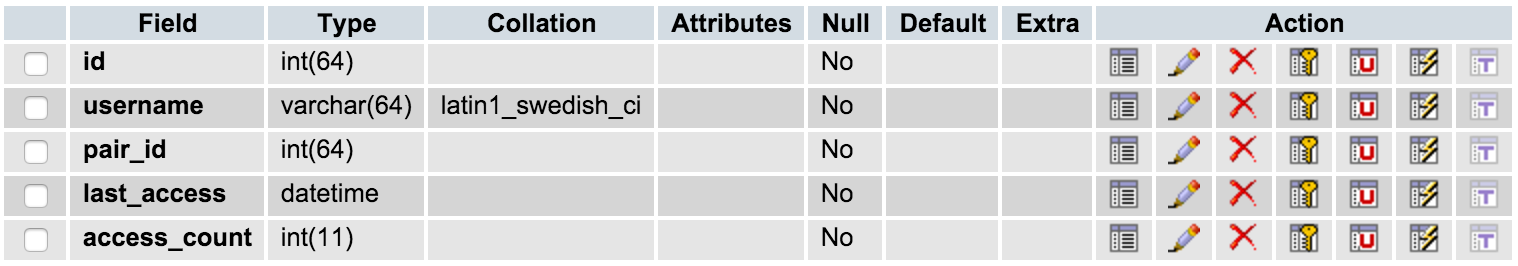
* ~~You should have at least one JavaScript~~
* At least five JavaScript functions.

**Database/SQL Requirements** (15 points)

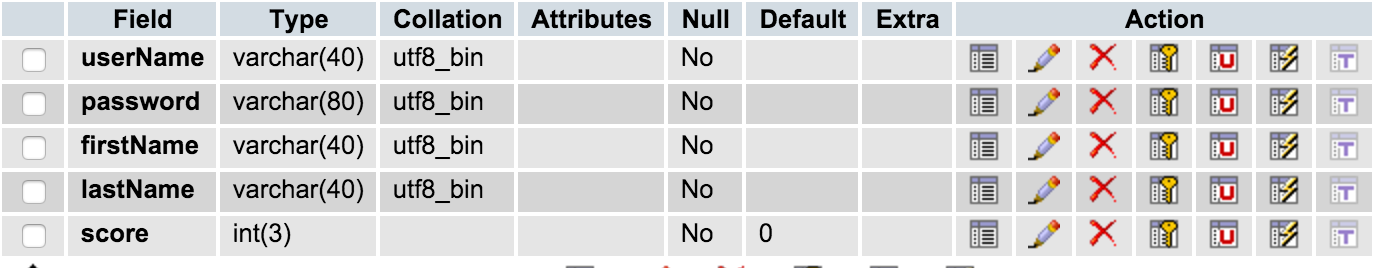
* ~~At least 2 tables with 5 non-primary key attributes. Give structure of tables.~~
  + Food pairs table



* + User favorites table



* ~~One table to store username/password.~~ 
  + Users table



* ~~You must use at least four INSERT,~~ UPDATE~~, DELETE and/or SELECT SQL statements.~~
  + Favorites.php : SELECT \* FROM `users\_favorites` WHERE username='$userName
  + Account.php : DELETE FROM CS290\_Users WHERE userName='$userName' AND password='$password1';
  + Signup.php : INSERT INTO CS290\_Users (userName, password, firstName, lastName) VALUES ('$userName', '$password1', '$firstName' , '$lastName')

**PHP Requirements** (5 points)

* ~~PHP will be used to generate webpages from the database content.~~ 
  + Search.php, favorites.php

**User Accounts Requirements** (15 points)

* ~~You will need to support user accounts and you have to implement this yourself.~~
* A user must be able to add rows to a database and see the results and they should be tied to users.
  + What?
* ~~The login functionality should use Ajax for error handling. If a user enters an invalid username and password, they should be notified via an Ajax call rather than a full page reload.~~
* ~~Have the user: Admin with password: Admin15 in your database~~

**Complexity** (at least two of the items listed below) Explain which you used and where. (20 points)

* Have a place to handle non-string input (dates, prices etc).
* Have a shopping cart.
* Have data entry requirements from users that can be validated and are validated (dates within a range or text of a minimum or maximum length)
* Use Ajax where appropriate (and if you don't have several places where it is appropriate, your application may be too simple).
* Add a chart or graph. https://developers.google.com/chart/interactive/docs/quick\_start
* ~~X Use BootStrap~~
* ~~X Use jQuery~~
* Use google maps or other google api.
* Be able to share information between users of your site if they want to.
* Other – **Explain** …….

What to submit in Canvas. (If you are working in a group each student must submit a copy) (5 points)

* Zipped folder containing all files.
* Completed copy of this document
* Screenshots of the content and structure of your database tables.