**CS 340 – Project Proposal Spring 17**

Due: Friday 04/11/17 at 11:59pm. (10 points)

You will submit a single pdf per group in Canvas. Propose a real-world database application for your term project. You will be making a database driven website using HTML, Javascript, PHP and MySQL.

* Give a detailed verbal description of your project including web application and database. What are the potential uses of the application and who are the users?
  + This application will be for users who wish to broaden their cooking resources with what is effectively an online cookbook.
  + Users will be able to save recipes for later, rate the ones they want to, and set a current favorite.
  + Users will also be able to submit their own recipes, and view the rough price range of the recipes that they are interested in making.
  + Some expansion ideas could be sorting by type (chinese, swedish, german, etc.) and by rating/popularity.
* The database must contain at least 5 tables. List some potential tables.
  + Ingredients
  + Recipe
  + Steps
  + User login
  + Reviews/comments
* Provide a list of at least five requirements for the operation/functionality of your project. User accounts and login will probably be one of the requirements.
  + users can sign up for accounts with passwords
  + user can log in/out
  + list of recipes with price, author, and recipe name are displayed
  + users can rate the recipe
  + members can comment or ask questions about the recipe
  + members can mark favorite recipe
  + members can mark recipes for later
* List any “business” rules you must follow.
  + you can only have one rating per recipe
  + each recipe can only have one author
  + members may only have one current favorite recipe
  + recipes will be rated from 1 to 5