

# Assignment 5

*Due: December 8, 2016*

## OVERVIEW

For your final project, you and all your classmates have been hired to design a database and create a GUI-based application for interacting with it. You can use HSQLDB and Java to create these things, or other technologies. That is a design you'll need to make as a group.

The client is P. Wrigley Custom Weddings. Petunia Wrigley, the owner of the company, has requested the following specifications:

1. She would like to be able to keep track of the vendors she purchases supplies from.
2. She would like to be able to keep track of the supplies sold or used at weddings.
3. She would like to be able to keep track of the weddings her company does.
4. She would like to be able to keep track of her employees and their information.
5. She would like to be able to easily see the following information:
  - a) Comparisons of the price of the same supplies when purchased from different vendors.
  - b) A list of wedding jobs that have not yet been paid.
  - c) A list of wedding jobs that have been paid with the overall total profit/loss.
  - d) A list of wedding jobs that have been opened but not yet finished.

The application needs to be user-friendly and not overly technical. The user should be able to switch between different tasks (e.g. inputting new clients, seeing unpaid weddings, etc.) easily.

Your database should be in Boyce-Codd Normal Form (BCNF) at minimum.

## GROUP JOURNAL

Make frequent use of the Group Journal feature on Blackboard! You should make a journal entry any time you work on the project. Record when and how long you worked, who you were with, and what you accomplished or attempted to accomplish.

Any time work is performed, there should be one journal entry per participant.

Use of your group journal is key in helping me see who put forth the most effort on this assignment.

## GRADING

- Database design: 40%
- GUI design: 40%
- Group Journal use: 20%