This is the first part of the course project. The goal of the project is to develop an application that utilizes (is built on top of) a database. For this part of the project, you are primarily forming a group and together creating a project proposal. During the rest of the semester there will be a set of deliverables for your project. These will consist of: a conceptual model of your database, a database schema, a list of queries that you will use for your application, the implementation, a final report, and a project presentation.

Instructions: Write a project proposal that covers each of the following.

- Form a group of two students and pick a group name. Include the names of each group member and the name of your group.

- Select a general topic/theme for your database application (i.e., what type of application are you going to build?). Your application will need to allow users to add, remove, and access data stored in the backend database. It is up to you whether your application will have a text-based UI or a graphical UI (we’ll discuss this more later). For now, you should consider the general things a user will be able to do using your application and what type of data you will be storing. Your database will have to consist of multiple tables. Note that the database and database application you develop should be non-trivial, but be of a size you can reasonably implement in the remainder of the semester. For instance, you will need to use the various query constructs we discussed in class in terms of joins, aggregates, grouping, and subqueries. Describe the general topic/theme of your application.

- Describe the basic requirements of your application. Brainstorm and write down what users be able to do/accomplish using your application. Also, briefly discuss how the user will interact with your application (e.g., what information will they enter, what information will they view, what information will they be able to modify, etc.). Also describe how the various query constructs we’ve discussed would be used. Note you should not design a schema or give SQL queries. Instead, just state general needs, e.g., “to display XYZ, we’ll need to use aggregation and grouping”, and so on.

Turn in a single document detailing the above information for your group in class on the due date. Be sure your document contains the names of each member of your group (and your team name). Note that it is OK if your project changes slightly during the semester. The main purpose of the proposal is to get a start on the project as well as early feedback.