



## Build a Relational Database Exercise

(Taken from the [“Business Analytics” courseware](#) by Brennan Davis)

The goal of this exercise is to have students build their own relational databases by creating tables that contain relevant information for a given business.

### STEPS

1. Select a company, organization, or business opportunity for students to focus on. Some suggestions are:

- Local bike shop that sells its inventory only in the brick-and-mortar store
- Local boutique that has a physical store and an online shopping office
- Regional fast-food chain that serves burgers, fries, and drinks
- University with faculty, staff, and students with various departments and course offerings

2. Instruct the groups to create a relational database for the entity assigned. The database can be written or designed using [tools online](#). The database should have at least four different tables. The tables should include the primary and foreign keys to display how each table is connected to another.

3. Have the groups present their databases and cover the following material:

- What entity they mapped out.
- How they mapped it out.
- What information they included.
- Why they included this information.
- What some of the challenges of this assignment were.
- What improvements can be made to the design.

4. Debrief after the presentations. Discuss (over Zoom or similar if necessary) the common challenges the groups had and how the entities could benefit from their designs. And/or ask students to discuss these things in a chat discussion.