Business Rules for Campus Eats

Using Campus Eats

1) Campus Eats is a UNCC market place platform for food delivery that connects UNCC students and faculty to nearby restaurants (Food providers or restaurants have to be approved in order to be included in the database). Persons are students/faculty may only create and hold one account for personal use.
2) User is responsible for maintaining & providing Campus Eats with updated information on name, address, phone number, payments type, and email address. If any information is found to be untrue or incorrect and Campus Eats has reasonable grounds, user accounts will be blocked or terminated.
3) There is a flat fee of $5 for each delivery.
4) Campus Eats may provide users with interactive opportunities on platform to rate delivery and restaurants as well as upload photos and comments. Reviews must comply with the following criteria: (1) before posting a Rating or Review, you must have had recent first-hand experience with the restaurant.
5) Driver : All delivery personal are students -UNCC will Test start with 8 delivery personnel
6) Restaurants locations are places that have been approved, that user can order food from to be delivered: There are currently 6 choices to choose from. Each restaurant may offer up to 10 menu items.
7) Locations are spots on campus where food can be delivered to. Locations are dorms, the student center, and approved classes that are maintained on file.

Assignment Notes and Guidelines:

5)Following proper guidelines for fully normalized relational databases, the project requires the addition of a more extensive ordering system for the restaurants:

   a. Each restaurant supplies one to many menu items. Restaurants are limited to offering up to 10 items for this prototype (think meals like a Cook Out tray). Menu items should have an identifying number, name, description, price, etc.
   b. You can test your system with six restaurants – one has to be campus dining (Chartwells). Reduce the number of restaurants to six realistic restaurants near UNCC.
   c. Orders have to be updated to include each order having one to many items on the order. Orders can only be from one restaurant only and from one person only. The order should have the order total price and a date and time.
   d. Each order will have an optional rating that the customer can complete. There is only one rating per order. The rating includes features for three questions and an option to upload a picture. The questions are: Rate the food 1 to 5, rate the delivery 1 to 5, comments. The picture attribute will include the path to the picture which is stored under the pics directory on the server.
   e. Design the new database tables then create the tables using MySQL Workbench.

Your assignment is to understand a test database for a campus controlled food delivery service similar to craveoncampus.com. You will be enhancing the database with a rating system for both restaurants and delivery drivers. You can also look at grubhub and ubereats for ideas. Please remember this is extending a prototype for the database not a fully implemented working model.   You are given a SQL script to load and you will have to design and add tables to include a rating system.

Here is some basic information on the existing database prototype:

1) Persons (campus faculty, staff, students) have accounts in the system with personid (PK), name, email, cell, etc. For faculty we also keep title, highest degree, and degreecollege. For staff we keep Position and AdminYorN. For students we keep GradYear and major plus type (undergraduate, graduate). Only faculty, staff and students are included.

2) We have Locations which are spots on campus where food can be delivered. Some examples are dorms, the student center, and approved classroom buildings. LocationID, LocationName, LocationAddress and (optional) Latitude and Longitude are maintained in the database. Additionally, a food delivery drop-off point is included (designated place for meeting or delivering food in the location – this can be a brief description).

3) Persons can also be drivers (delivery personnel which have to be approved). Drivers have license number and date hired plus ratings. You may also want to keep vehicle information (relative to the vehicle that the driver uses).

   a. UNCC will start with 8 approved delivery personnel – the system is in test mode. You can assume all individuals have been cleared and they can be included in the database.

   b. All delivery personnel are students.

4) There is a flat fee of $5 for each delivery. A person orders food one to many times. An individual delivery is tied to one and only one person for the order. The order is for one and only one restaurant. For the items on the order we will have a separate "item" file that includes the item ordered, quantity, and any special instructions. Driver information and delivery date and time will be updated on the order. There should also be a unique identifier (ID) that ties to the id for the order at the individual restaurant. You can assume that the actual items on the order need to come from the new table that you add for the restaurant with the menu items.

5) Food providers or restaurants have to be approved in order to be included in the database. You can include six restaurants or more of your choice for the test database. Information will

include an ID, location, schedule, and a link to the web site along with other attributes you may identify. A restaurant will have one to many menu items. Each menu item is unique to the restaurant so you may have two items that are hamburgers in the database. You may consider a weak entity for the menu times.

6) You are adding a rating system which does not exist in the database. This should give users the ability to rate restaurants and drivers, plus upload a picture and add a comment.

7) The database will serve as an important data collection source providing valuable information about nutrition and eating habits of campus community members.