CPSC 304 Project Cover Page

Milestone #: 1

Date: 09/30/2024

Group Number: 35

Project description:

a. The domain of the application encompasses topics related to topics related to on campus restaurants, food, nutrition, and student-life on campus.
b. Our application strives to make food at UBC-affiliated restaurants affordable and satisfying for UBC students. The data stored with our application will help UBC restaurants to figure out the food preference of UBC students based on their demographics, feedback, and the time of year. The students in turn will be able to buy tastier and more affordable food on campus based on their feedback as well as their food preferences.

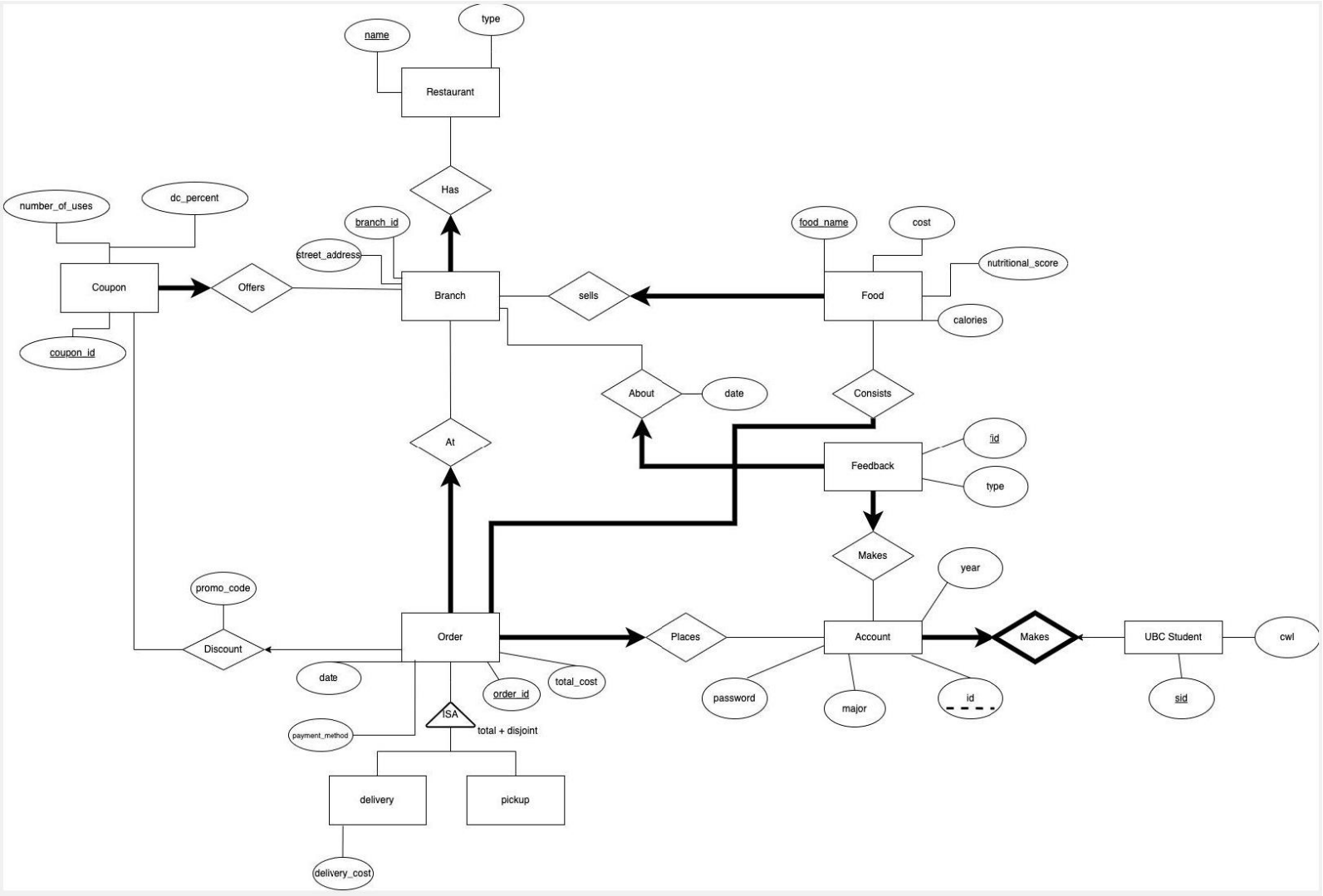
Database specification:

Our database is intended to have two main functions that coincide with one another. The first is from the student's perspective: students gain access to a database of available coupons for any UBC restaurant. Likewise, from the restaurant's perspective, UBC restaurants will be able to add whatever coupons they desire to the database, as well as a "tier" of customers they wish to share that coupon with, and how many times that coupon can be used. The more a customer spends at a certain restaurant, the higher "tier" coupons they unlock. Together, this allows for UBC students to have a convenient place to access coupons (and to place orders using them, with both delivery and pickup options) to improve affordability on campus, whilst also giving restaurants additional promotional leverage, and information about the student demographics that place orders (e.g., their major, year, etc.). This is with the hope that the restaurant can analyze and maximize their revenue with this information and promotional material, whilst allowing students to save more money on food, ideally helping combat food insecurity to some extent.

Description of the application platform

a. Our project aims to use the UBC Computer Science Department based Oracle server.
b. The expected application technology stack of our project is based on our understanding at the point of submission of this milestone. Our plan is to use either PHP, JavaScript or a combination of the two along with associated libraries available for those two programming languages. We are also keeping the option of using Java open within the team despite the possibility of not receiving much support for it from the course staff, because some members of the team have experience with Java's front end libraries (like JSwing) from past course projects (e.g., as in CPSC 210). As is mentioned in the project description, our ideas will likely evolve over time and we shall get a clearer idea about this as the term progresses.

ER Diagram: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