NutriWISE

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**Data Mapping**

Diagram

Description automatically generatedMobile Application:

*Gathering of Client’s Anthropometric Measurements*:

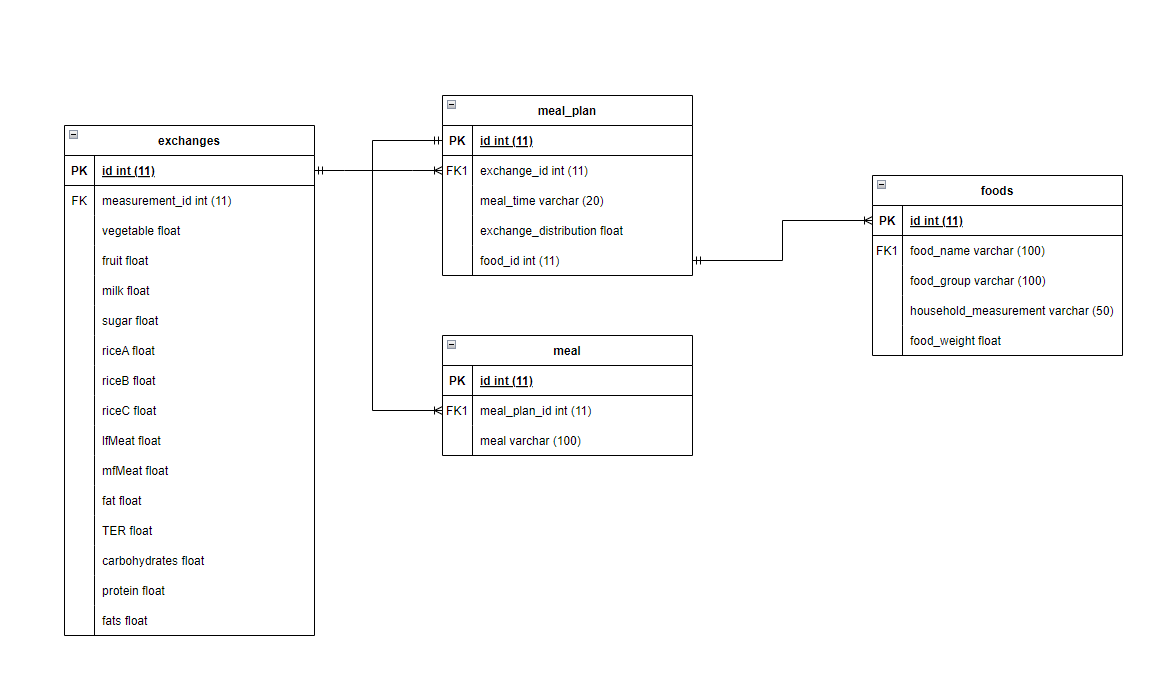
The involved tables here are the Client, Student, Client\_Measurements. This process involves the student gathering the anthropometric measurements of the client. We can see that the student\_id is included in the measurements so the professor would know which student assessed the client. The student then proceeds to the computation of the DBW, TER, protein, carbs, and fats needed by the client.

Diagram

Description automatically generated

*Computation and Exchange Distribution:*

This process includes only two tables, namely the client\_measurements and exchanges table. Here the students will proceed to translate and distribute the exchanges based on the clients’ given measurements, therefore dividing it into the separate food groups that will be the foundation of the meal plan.



*Meal Planning:*

This process includes four tables that will be primarily used in the meal plan creation process. The foods will be chosen by the students on what’s best for their client which in turn will be included in the meal planning’s time and number of exchanges. The meal table will be used for whatever meal is going to be served on that time of the day. The exchanges table will provide the accurate number of exchanges per food group.

Web Application:

Diagram

Description automatically generated

*Professor’s Class Creation:*

This process will be including the professor and classes table. This is where the professors will be creating the classes that the students will partake in. They will be giving the students’ the classes’ name and code along with the class description.

Diagram

Description automatically generated*Student’s Joining of the Classroom:*

This process will include three tables namely the student, classes, and the student\_class tables. The students’ will join the classroom by referring to the class code given by their professor. And this will co-join the two tables onto one, namely the student\_class table, containing both id’s of the two separate tables.

Diagram

Description automatically generated

*The Classroom’s Materials:*

This process will be including the five tables namely the student, professor, student\_classes, classes, and the materials. This is the process where both the professor and the students are inside the online classroom, and the professor can upload materials regarding the subject the students are enrolled in. Books, Online PDF’s, Assignments, Quizzes are the examples of what the materials table would contain.