

Our team's project-goal is to Design a database system for fast food chain restaurants.

After thoroughly discussing many scenarios, we ended up with a "Coffee house" like restaurant/cafe business structure called "AUA Donats" which will offer its customers various coffees, donats, croissants, sweets, confectionaries and so on. Main duties of the logical level of our database system are to store information of our branches (probably many different locations across Yerevan), the menu, ingredients for each menu item* , daily expenses and for each individual branch, data about workers, statistics of orders, users, suppliers, sources (raw materials for production), etc.

* This is a logical layer of our design. We will use this data internally for:

1. Calculations of remaining materials based on completed orders: to measure the integrity of our raw materials such as: sugar, flour, etc.) and derive business decisions like contracting our suppliers.
2. For a view layer, we will provide the main ingredients to the customers for better user experience

A high level view of our (pre-version) Database Design can be found below:

Here goes the table charts :

Ingredients
Id Name Type

Suppliers
Id Name Contact_information

Supply_type

Branches
Id Location

Warehouse
Ingredient_id Current_amount Amount_needed_to_be_purchased

Menu item
Id Main_Ingredients Supplementary_ingredient Ingredient_weight

Menu
Id Name Main_ingredient Price

Price
User Id Name Email

Order
Id Userid Timestamp

Menu_item

Employee
Id Name Email Branch Position Salary