

Business Analysis with Structured Data - DAT-7470 - FMBAN1

HULT International Business School

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A3.3: Course Project - Database Design

Submitted by

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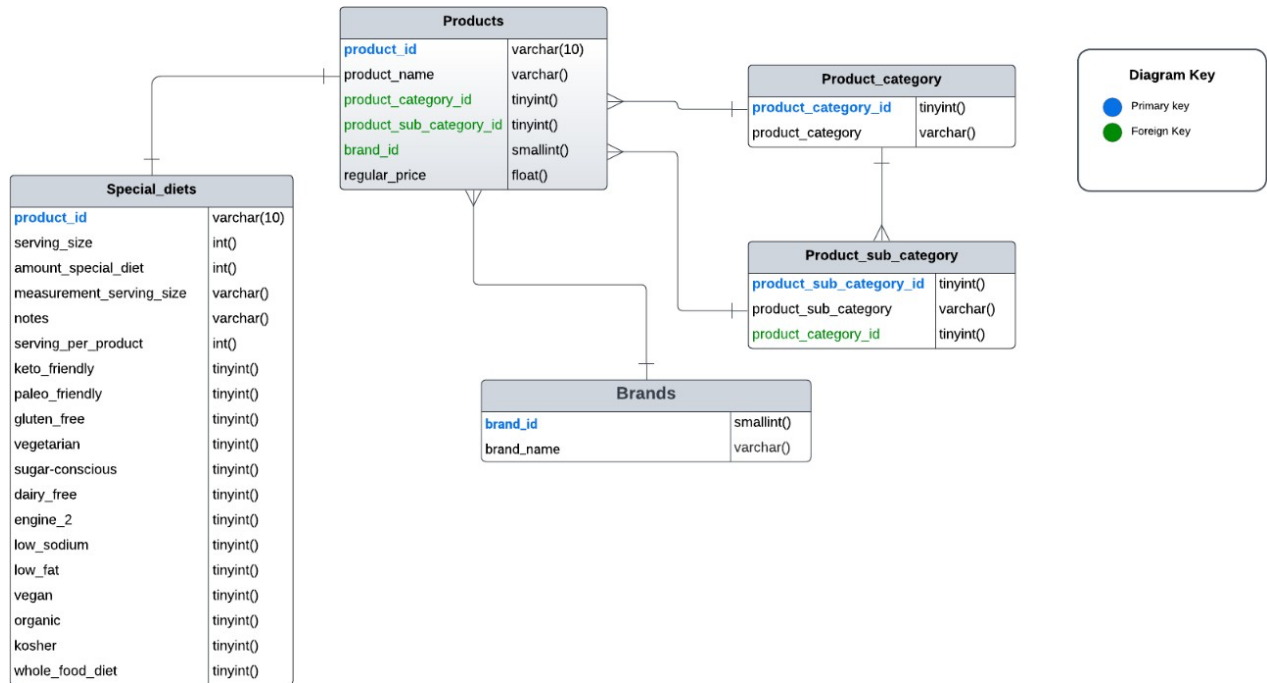
Submitted on

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Supervised by

Chase Kusterer

ER Diagram: Desserts



Functional Dependency:

Products to Product_category = Many to One relationship

Products to Product_sub_category = Many to One relationship

Products to Special_diets = Mandatory One to One relationship

Products to Brands = Many to One relationship

Each field has been assigned a specific data type with the goal of reducing storage needed and processing time. i.e. Since most Special_diet fields need zeros or ones, tinyint() was used, but for those that needed more storage like product_id, varchar() was used.

Both, Product_category and Product_sub_category fields have been split and put into 2 different tables, in order to not create a many-to-many relationship and therefore avoid any issues in the future.