**Individual assignment #2 ­– Database design**

**INFO 6540 ­– Data Management Winter 2022**

**10% of final grade**

## Task

## Your task is to update the gummybox\_sales database to include reviews. You have established the following specifications and rules for the new tables and fields:

* Reviews are associated with products and not orders.
* Only individual gummies can receive reviews.
* Only registered customers are allowed to post gummy reviews.
* A customer cannot review the same product twice
* Customer should be able to give a score between 0 and 5 to the product.
* The customer should also be able to include a short text (max. 500 characters) in their reviews.

## Instructions

**Download the info6540\_lab2.zip file here:** <https://pmongeon.github.io/info6540/files/info6540_lab2.zip>

The file contains:

* A word document with the database documentation (gummybox\_sales.docx).
* An entity-relationship diagram designed with diagrams.net (gummybox\_sales.drawio).
* A database model built with MySQL workbench (gummybox\_sales.mwb).

**Add the necessary tables and fields to the entity-relationship diagram**

You can choose to update the diagrams.net version **or** the MySQL workbench version.

**Add all the necessary tables to the db\_documentation.docx file**

Make sure to include the **names** and **descriptions** of your table(s) and fields, and the **data type** of your fields.

Note: for your **foreign keys**, make sure to use the same data type as the primary key of the referenced table. Use this format for the description: “**Foreign key referring to the [name of table] table.**”

## To deposit on Brightspace by February 21th, 2022 at 11:59 pm:

* The updated entity relationship diagram (.drawio **or** .mwb file).
* The updated documentation for the gummybox\_sales database. (.docx file).

## Grade calculation

* The updated database design is valid (2.5 points)
* The fields included are relevant for the purpose of the new table(s) (2.5 points)
* The stated database rules are respected (2 points)
* The chosen data types are appropriate (1 point)
* The documentation is complete and clear (2 points)