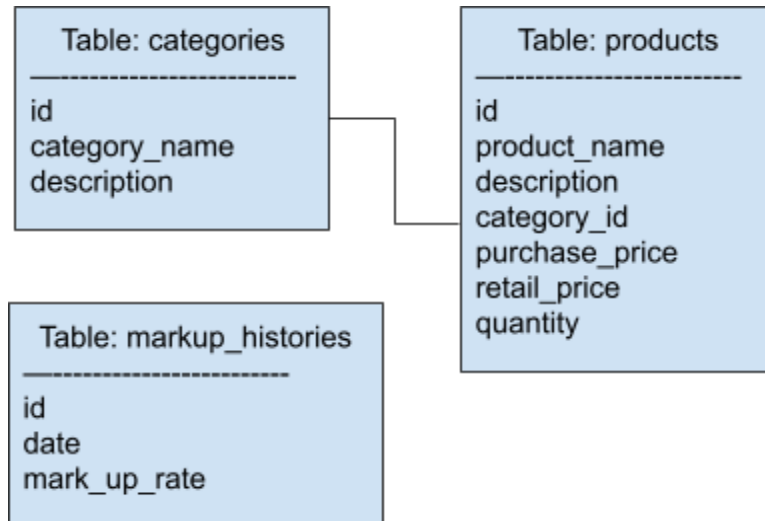


# PRELIM PROJECT IN IPT 302

## PRELIMINARY REQUIREMENT

Create a new Laravel Project using composer tool. Update the environment variables to use MuSQL as the database storage facility. Generate the models, migrations, factory, and seeders for the database structure as illustrated below:



Note: mark\_up\_rate field in mark\_up\_histories table is of type float. The field retail\_price in products table is nullable.

## CUSTOM COMMAND

1. Create a custom command that will accept a floating point value as argument which will represent a percentage i.e. 0.05 for 5%. The command will set the retail\_price of all the products based on the percentage argument as the mark up rate.  
For example: Purchase price: 120.00, mark up percentage of 0.05 (or 5%) the new retail price for that particular product will be 126.00. After each products' retail\_price have been updated. A new record will be inserted in the markup\_histories table indicating the current date and the mark\_up\_rate being used.

Command: `php artisan markup:set 0.05`

2. Create a custom command that will update the retail\_price of every product similar to the one in item number (1) but this time with an additional argument for category name such that it will only update the retail\_price fields of the products under that category.

Command: `php artisan markup:set-category 0.055 "Canned goods"`