

# SIBD Project - Part 2

**Name of the model:** Supermarket

## Model constraints

### Category

- No category can exist at the same time in the table 'simple\_category' and in the table 'super\_category'.
- Every category must exist either in the table 'simple\_category' or in the table 'super\_category'.
- Categories cannot cyclically consist of one another
- Every category must exist in the table 'displayed\_in'

### SuperCategory

- A super category must consist of a category

### Product

- A Product can only be exposed in one of the Shelves to which it is associated

### Supplies\_prim

- Every product must have a primary supplier

### Supplier\_sec

- For a given Product, a supplier cannot be simultaneously a Primary and Secondary Supplier
- A product can only have at most 3 Secondary Suppliers

**Work done by:**

Pedro Gonçalves - 87559

Alexandre Bento - 96723

Tiago Delgado - 96770

**Relative percent of each student's contribution:**

Pedro Gonçalves - 33.33%

Alexandre Bento - 33.33%

Tiago Delgado - 33.33%

**Total effort:**

Pedro Gonçalves 16h

Alexandre Bento 16h

Tiago Delgado 16h

**Shift:** Friday 10h

**Group number:** 5

**Teacher:** Paulo Carreira