# ROBOTICS – Python Development – Lab 7 - Homework

1. Consider the following attributes specification for the categories of robotic product lines, each robotic product category having the following attributes:

   - OBJECT_TYPE - a constant string, common to all instances, with the value "TYPE_CATEGORY";
   - id - an integer id, strictly positive, unique per category;
   - name - text, must not be empty, alphanumeric, up to 32 characters, unique per category, the name of the category;
   - description - text, must not be empty, up to 256 characters, the description of the category,.

   A category can belong to a parent category and a category and be similar to other categories.

   Please perform the following:

   - Implement the class described by this specification;
   - Implement the relations described by this specification;

2. Use managed attributes to implement class attributes data validity checks.