

Advanced Programming

Term Project

Assume you have a list of object names. The list includes general categorical names, sub-categorical names, and specific names. For instance, Vehicle is a general categorical name while, car is sub-categorical name. Renault-Clio is a specific name example.

You should develop the necessary classes to store the list of object names making all necessary assumptions. Then write a search algorithm to find a description and a key-word and determine if the keyword is included in the description.

Example:

Description: Yesterday I visited a restaurant in downtown and had a delicious soup.

Keyword to find: Food

Result: Soup is found (assuming that food is a generic categorical name and soup is a sub-categorical name)