Python skill check (optional): Intermediate Python

Objective: Check your understanding of **dictionaries**, **objects** and **list comprehension**.

Architecture: Your code will consist of one module.

Module 1: `intermediate_python.py`

Make a grocery list tracker. Begin by defining a class called **`Groceries`**. As part of the `Groceries` **`__init__()`** method, define an empty Python dictionary called **`grocery_list`**, which should be initialized as an empty dict.

Define a function **`add_item(item)`** within the `Groceries` class that allows you to add an item to your `grocery_list` dict (as a key). Every time an item is added to `grocery_list`, its value within the dict should default to `False`, indicating that the item has not yet been purchased.

Also define a function **`remove_item(item)`** within the `Groceries` class that allows you to remove an item from your `grocery_list` dict.

Next, define a function called **`check_item(item)`** within the `Groceries` class, that changes the value of the key **`item`** in `grocery_list` to `True`, indicating that the item has been purchased.

Finally, define a function called **`items_remaining()`** within the `Groceries` class, that uses **list comprehension** to return the number of items that have not yet been purchased.

Hint: don't forget to include docstrings in all your functions. Also, don't forget to pass the **`self`** parameter to each function within your class.

Once you've completed this exercise, send it to **@yazabi** and we'll give you feedback on your code!