Catalog
Problem ID: p10catalog

In this project, you implement two classes: Item in the file item.py and Catalog in the file catalog.py.

- The constructor for Item accepts two string parameters. The first one denotes the name of the item and the second denotes the item's category.

- The constructor for Catalog accepts one string parameter, denoting the name of the catalog.

- Catalog keeps track of a collection of Item. The collection you decide to use needs to maintain insertion order.

- Both Item and Catalog contain several instance methods. The methods in Catalog and Item will be tested using unit tests. You should be able to figure out what methods are needed, by inspecting the following main program and its output:

```
from item import Item
from catalog import Catalog

item1 = Item("Green Book", "Biography")
print(item1)

item2 = Item("The God", "Crime")
print(item2)
item2.set_name("The Godfather")
print(item2)

item3 = Item("Schindler's List", "Biography")
print(item3)
item3.set_category("Drama")
print(item3)

catalog = Catalog("Films")
catalog.add(item1)
catalog.add(item2)
catalog.add(item3)
print(catalog)

catalog.remove(item2)
print(catalog)

catalog.set_name("Favorite Movies")
print(catalog)

catalog.clear()
print(catalog)
```

Output

The output from the main program is the following:

```
Name: Green Book, Category: Biography
Name: The God, Category: Crime
Name: The Godfather, Category: Crime
Name: Schindler's List, Category: Biography
Name: Schindler's List, Category: Drama
```

```
Catalog Films:
        Name: Green Book, Category: Biography
        Name: The Godfather, Category: Crime
        Name: Schindler's List, Category: Drama
Catalog Films:
        Name: Green Book, Category: Biography
        Name: Schindler's List, Category: Drama
Catalog Favorite Movies:
        Name: Green Book, Category: Biography
        Name: Schindler's List, Category: Drama
Catalog Favorite Movies:
```

Note: When individual `Item` for a given `Catalog` are printed, one tab-character appears at the start of each line. You should **not** submit the main program as part of your solution, only the files `item.py` and `catalog.py`.