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TECHNICAL ASSESSMENT – SORTING SERVICE USE CASE

Actors
- SSC - Sorting Service Client

Flow of Events

BASIC FLOW
1. SSC sends a set of Books to be sorted by the Sorting Service.

2. The Sorting Service sorts the set of Books by title and author's name, both ascendently.

3. The Sorting Service returns the sorted set of Books to the SSC.

PRECONDITIONS
A non-null set to be sorted.

POST-CONDITIONS
The set of Books has been sorted successfully.

RELATED USE CASES
None.

SPECIAL REQUIREMENTS
The Sorting Service considers one or more attributes to sort the Books. Also, for each attribute, a sort direction can be defined: ascending or descending. For example, in the point 2 of the flow, it considered the title and the author's name, both ascendently.

By this way, it is important to this solution, to provide means to prepare the Sorting Service with attributes and their directions.

The following design constraints apply:

- Without changes to the code and by means of a configuration file, the design must allow configure attributes and directions to the Sorting Service.