

Task #2: Strategy Pattern (20 min)

- Implement the UML model from the previous slide
- Source code for the sort algorithms is offered in Moodle
- Implement the `Policy` class with a simple configuration mechanism that selects `MergeSort` when only execution time is important, and `Quicksort` when execution time is important and space is important
- Implement a simple client
 - that sets a default context
 - that calls `sort()`
 - and demonstrates switching between two strategies at runtime
- Note that the UML model does not specify visibility. The method signatures are also not complete.