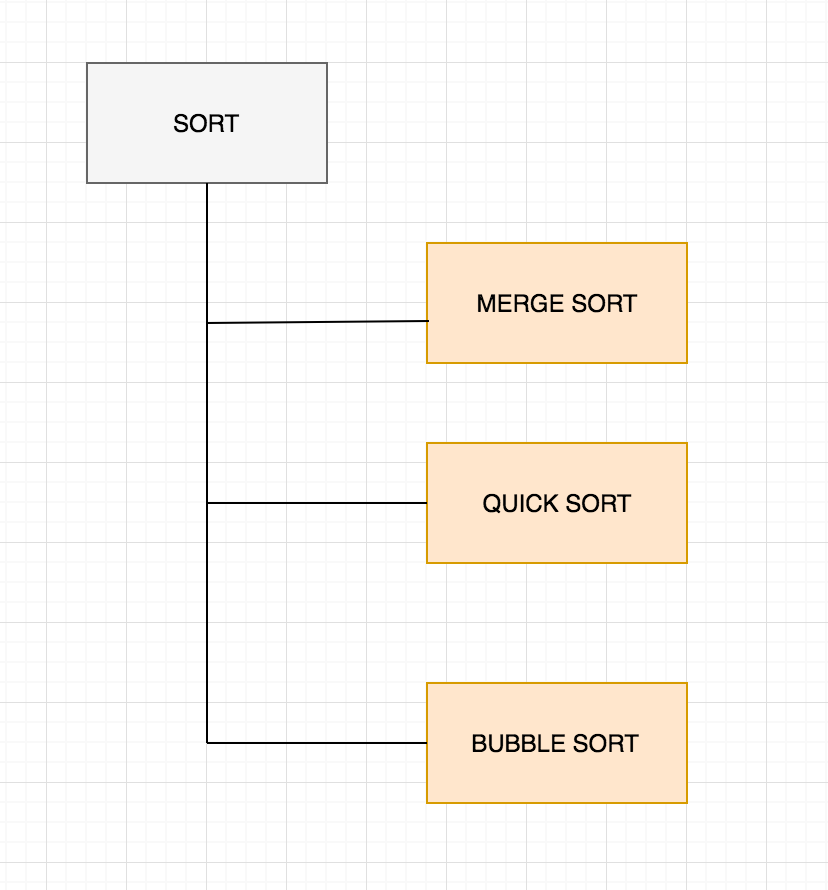
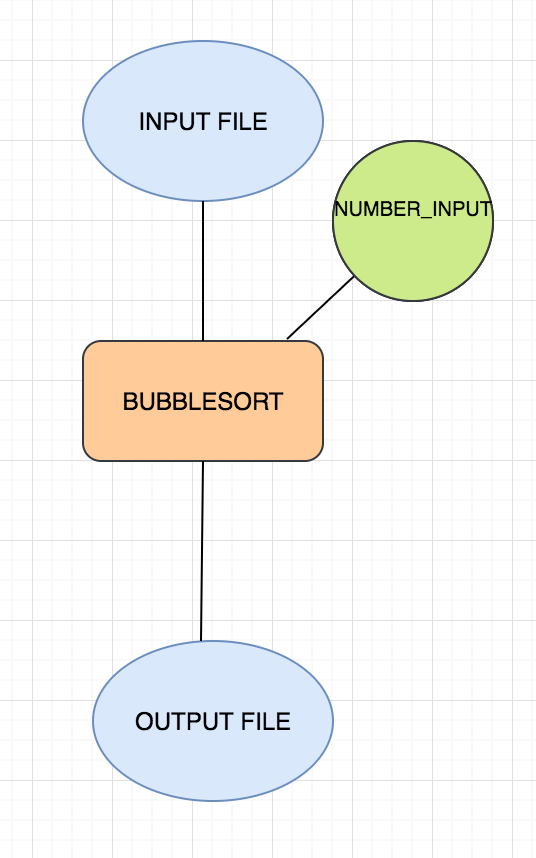
**DOCUMENTATION FOR SCENARIO-2:**

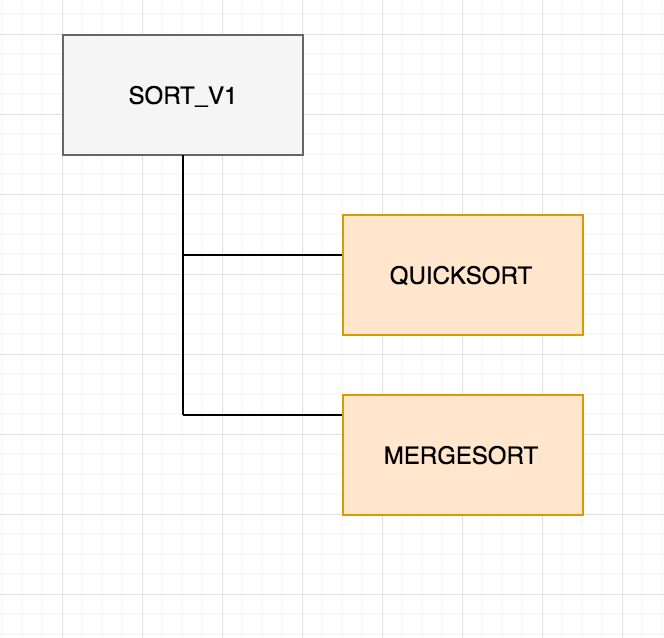
* **What is Scenario-2?**
* **Alice is a user of the WINGS WORKFLOW SYSTEM.**
* **Alice wanted to carry out some sorting of text files.**
* **She created a workflow with a sorting algorithm named Bubble-sort.**
* **She created this new Concrete Component Bubble-Sort and kept it under the Abstract Component SORT.**
* **The SORT Abstract Component has 1 Input, 1 Output.**
* **The new Bubble-Sort concrete Component has 1 Input, 1 Output and 1 parameter.**
* **When the Workflow is published the WINGS Component Catalog exports this scenario as:**

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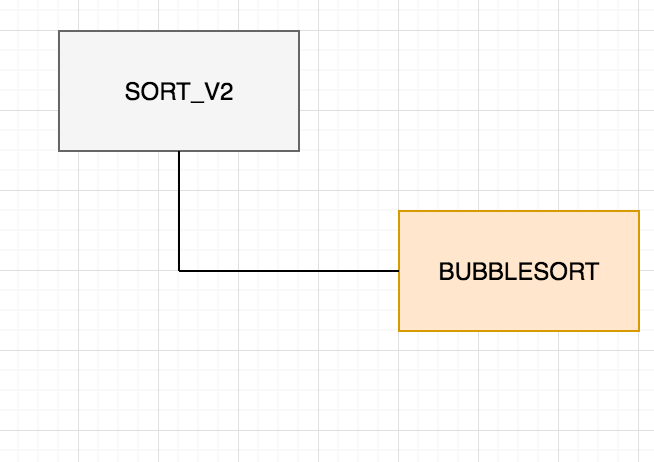
* **Bubble Sort’s concrete component is this:**

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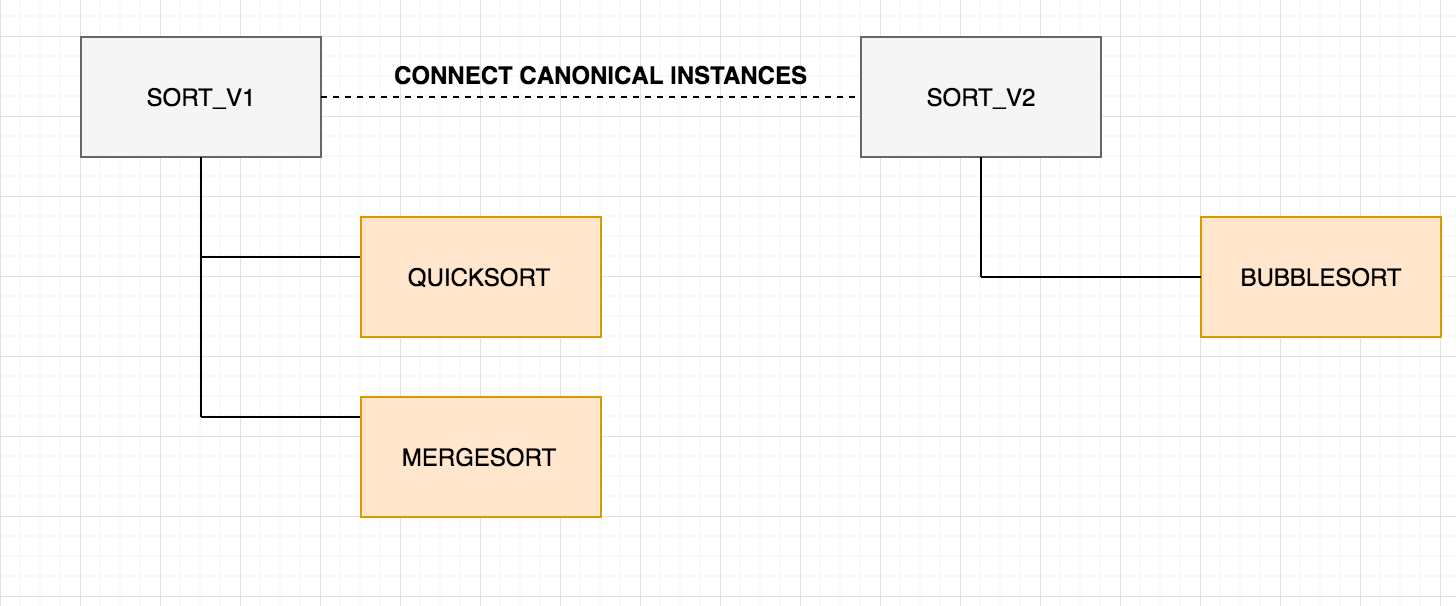
* **The PROBLEM is:**
* **Well, the component catalog currently has Mergesort, QuickSort and the newly added BubbleSort under the same abstract component SORT which is WRONG.**
* **SOLUTION:**
* **We are creating a new TAXONOMY HIERARCHY MODEL (THM) for exporting these changes that will help maintaining a good consistency of components and versioning.**
* **We had export SORT\_V1 and QuickSort and MergeSort under it along with their canonical instances.**

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* **We will now export SORT\_V2 with BubbleSort under it along with the canonical instance.**

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* **Further we connect the canonical instances of SORT\_V2 to SORT\_V1 and say that it is a prov:is revision of SORT\_V1.**

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