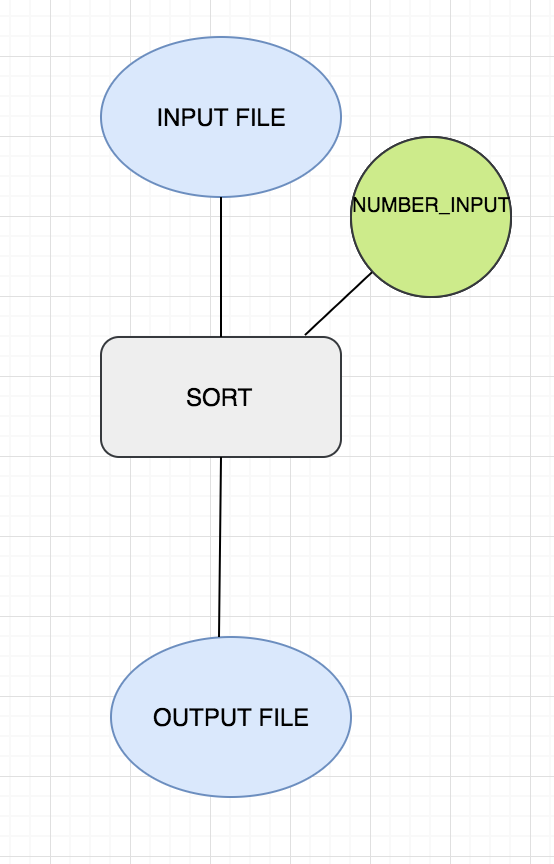
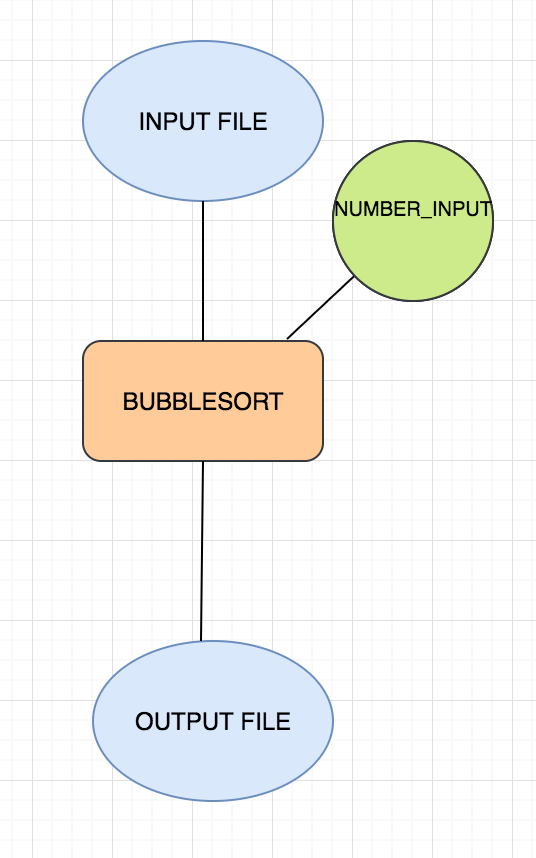
**DOCUMENTATION FOR SCENARIO-2:**

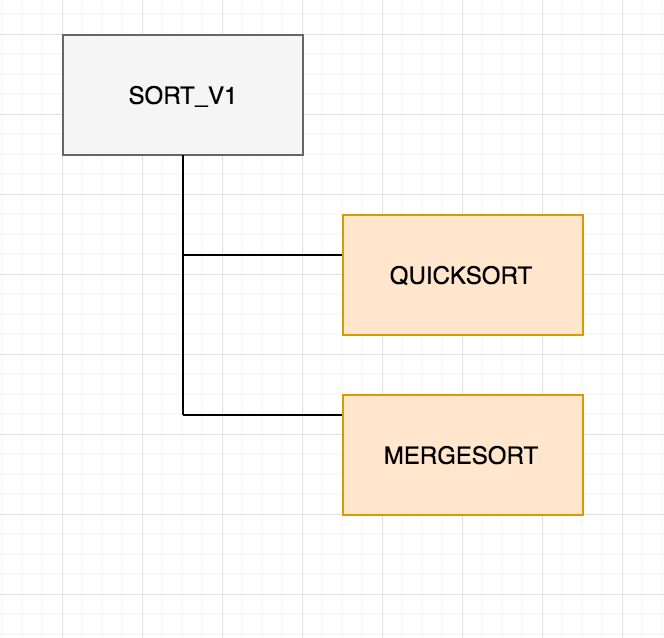
* **What is Scenario-2?**
* **Alice, are old user, has come again into the WINGS WORKFLOW SYSTEM.**
* **She wanted to create a new workflow this time but she wants to use another Sorting\_Algorithm this time known as BubbleSort.**
* **She some how figured out that the BubbleSort Algorithm requires one additional parameter called number\_input besides the input\_file.**
* **She goes in the WINGS WORKFLOW SYSTEM and changes her abstract component SORT and adds an extra parameter for the abstract component.**
* **She creates a new workflow this time with the abstract component SORT.**

****

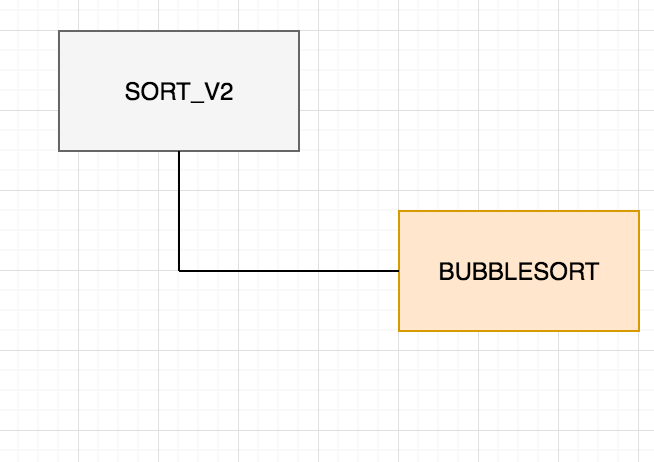
* **She now decides to execute that workflow using her new algorithm BubbleSort.**

****

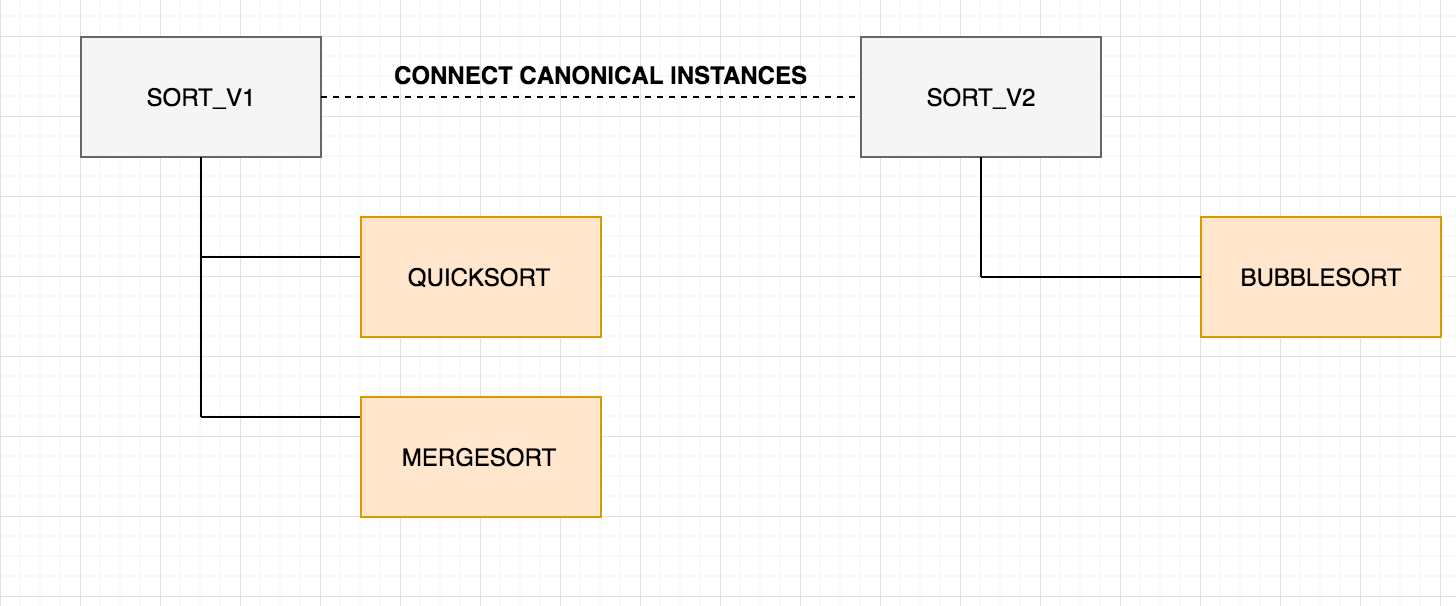
* **She has created this very well and everything works well.**
* **The PROBLEM comes in now……..**
* **Well, the component catalog currently has Mergesort, QuickSort and the newly added BubbleSort under the same abstract component SORT which is WRONG.**
* **SOLUTION:**
* **We are creating a new TAXONOMY HIERARCHY MODEL (THM) for exporting these changes that will help maintaining a good consistency of components and versioning.**
* **Now, when Alice created a change in the abstract SORT Component, we create a new export in the THM.**
* **We have already exported SORT\_V1 and QuickSort and MergeSort under it along with their canonical instances.**

****

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

****

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

****