Team Facade Assumptions and Considerations

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# Assumptions

As Team Façade is adding features to existing systems, the assumptions are assuming the existing Sensor Data Platform, Dashboard, and Virtual Sensor Editor are functional.

* Sensor Data Platform is active and returning data.
* The Sensor Data Platform APIs are functional.
* Dashboard and Virtual Sensor Editor are fully functional with no issues or bugs.

# Considerations

Team Façade was tasked with adding enhancements to the existing system. Since we are adding features to system already in production, we had to consider the following quality attributes:

## Performance

During creation of multiple Virtual Sensors, the user experience performance should not degrade. During implementation of the features, performance should remain at the same level or improve.

## Interoperability

One of the main tasks is to integrate with existing workflow management tools such as Taverna and Vistrail. Therefore, the Virtual Sensor Editor should export XML that can be imported into the different workflow tools.

## Maintainability

As this is an existing source code with future enhancements on the roadmap, the code base should remain extensible and readable. The project will continue beyond the scope of one class so future teams should be able to easily modify the code in order to keep the project going.