Melanie,

Ok here is a rough example of what I would like – feel free to tweak the layout.

There are three main areas in the dialog:

1. Filters – allows you to apply DB selection filters based on specified filters. Each filter should be a drop down list populated from the content of the DB. However it should allow for editing. See more details below
2. Currently selected – this section shows what is available to analyze. It has a slider along the bottom to scroll through the available violations. All data for the select item is displayed.
3. Analysis – this section allows the user to create a comment or review a comment.



Filtering

For the filter section, the drop downs should be populated with the unique values from the Db

select distinct filename from violations

select distinct violationsID from violations etc.

The user should be allowed to edit these or submit their own text in the field. For instance the violation ID for PcLint are numbers (as text in the DB), while the U4C are text description e.g.,

Metric-Cyclomatic

Metric-File

Metric-Func

Metric-Line

The user might want all Metric related violations so they would just enter ‘Metric’ and any violationID with ‘Metric’ in it would be selected.

The status drop down does not need to be editable but it should have four selects (three of which can be in the DB):

* Any
* Reviewed
* Accepted
* Not Reported

Currently Selected

This shows the item the user is working on – doing analysis on. The current number (N) within the selected set (M) is displayed.

When you get the results of the filter query I would hold all of this in a Query object so you can access them via an index. I think if you submit an analysis you may need to re-query the DB so you have the latest DB content in your buffer ???

Analysis

Provided to allow the user to perform analysis. If analysis had been done before (and the Unanalyzed Only checkbox in the filter area is not set) then any previous analysis will be displayed. The status will be set to ‘Reviewed’ or ‘Accepted’ based on which button the user clicks.

Here are the available statuses:

* Reviewed – some comment is made, but it’s not been decided if the item is accepted as a violation
* Accepted – indicates the violation has been accepted
* Not Reported – automatically assigned by the review tool when a violation no longer is detected.

I use the review date to tell if something has been reviewed or not.