Goal:

Collect 3 data for each component and for summarize:

**Backlog** – how many defects we have now

**Inflow in last week** – how many defects added during last week

**Outflow in last week** – how many defects resolved during last week

The component may increase in future

Input:

1. The data we have last week, See example in CMVC\_Trends.xlsx
2. Raw latest data, copy from CMVC directly. See example in Raw\_Data.xlsx

Rough Process:

1. Read the raw data and encapsulate them into CMVC objects (a list)
2. Read the data from the last report, also encapsulate them into CMVC objects(a list)
3. Move the resolved ones to the “Archived-component” sheet and set the end date to “today”
4. Add the new ones to the “component” sheet and set the start date to “today”
5. Analyze based on above two lists and “start date, end date” to get the 3 data described in goal

Comments:

1. The data format in excel file can be improved if needs
2. Need a build.xml to build/run it easily