Generic process weaknesses
!To be modeled and implemented seperately as modules in code!

Generic Weakness type	Explanation	Necessary data	Function
Unwanted Activity	Activities that should not occur in the process	Eventlog	Compare activities' names to a blacklist
Backloop	Repetition of a sequence of several activities	Eventlog	Identify sequences and count activities
Redundant Activity	Repitition of an activity	Eventlog	Count activities
Interface	Within the process flow, the resource changes	Attribute „Resource"	Compare attributes of neighbouring activities
Switch of media	Within the process flow, the used media changes	Attribute „medium"	Compare attributes of neighbouring activities
Idle time	Time between end of one activity and start of the next activity	2 Timestamps per activity (start and end time stamp)	Calculate the difference between two timestamps
Variance of process times	Process time for the activities spreads widely, so that there is accelleration potential obvious	2 Timestamps per activity (start and end time stamp)	s. above: Calculate process time + statistic analysis
Bottleneck (slowest Activity)	Activity with the longest cycle time	2 Timestamps per activity (start and end time stamp)	s. above: Calculate process time + comparison of activities
Parallelizable tasks	e.G. Activities A and B in history sometimes went A-B and sometimes B-A and sometimes they overlap, we can obviously can do them in parallel and save time	Eventlog	Identify sequences/orders, compare them, identify overlappings