

BMA rule: Incorrect usage of today

Explanation

This rule analyses all expressions and determines whether they are using TODAY in a correct manner:

- It should only be used as default value for 1 attribute
- It should always be called via this 1 attribute, never directly in other expressions

Possible improvements

Make an attribute which contains TODAY as default expression and use references to this attribute everywhere you currently have "TODAY". This attribute can then easily be used for time travelling.

Example

The screenshot shows a configuration window titled 'LeeftijdKind'. It has a tab labeled 'Kinderbijslag'. The window contains several fields: 'Cluster' is set to 'Kinderbijslag'; 'Name' is 'LeeftijdKind'; 'Functional name' is 'Leeftijd van het kind'; 'Description' is 'Berekent de leeftijd van het kind'; and 'Expression' is 'YEARS BETWEEN TODAY AND Kind.GeboorteDatum'. The 'Expression' field has a dropdown menu and a 'T' icon next to it.

This expression compares a date with TODAY to calculate the age of a child. This can lead to issues when testing requires time travelling. By using a reference attribute, only this single attribute needs to be changed whenever time travelling is required instead of having to change every expression mentioning TODAY.

It results in this code smell:

ReusableExpression LeeftijdKind contains the expression 'YEARS BETWEEN TODAY AND Kind.GeboorteDatum ' with a direct reference to function TODAY. This should be reviewed. [See Rule](#)

🔍 Code Smell 🔴 Major 🔵 Open Not assigned 30min effort