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## GRDT Help

Functions Editor

# Functions Editor

Use the Functions Editor to develop Java methods that can be called from rule actions and conditions.

Each function contains the same fields:

**Function Name**—A name for the function.

**Description**—A brief description of the function.

**Implementation**—Either Java or Groovy.

## Example

This function is used to compare dates. It would be configured as follows:

```
Name: compareDates
Description: This function is required to compare dates.
Implementation:
import java.util.Date;
import java.text.SimpleDateFormat;

function int _GRS_compareDate(String a, String b) {
    // Compare two dates and returns:
    // -99 : invalid/bogus input
    // -1 : if a < b
    // 0 : if a = b
    // 1 : if a > b

    SimpleDateFormat dtFormat = new SimpleDateFormat("dd-MMM-yyyy");
    try {
        Date dt1= dtFormat.parse(a);
        Date dt2= dtFormat.parse(b);
        return dt1.compareTo(dt2);
    } catch (Exception e) {
        return -99;
    }
}
```

For user-supplied classes, the .jar file must be in the CLASSPATH for both the GRAT and the GRE.