Introduction

I hope that most of you are already aware of defining a static message and using the same in the application, but the message appears more informational, concrete and compact if we could add dynamic values to the same.

This can be achieved using Message Tokens.

In this example, we would demonstrate the same.

Worked-Out Example

We would create a custom message (which includes tokens) and then display the same on the “Absence Recording” screen. The high-level steps involved are:

1. Create Custom Message
2. Create Custom “Global Absence Entry Validation” Fast Formula
3. Attach Validation Fast Formula to absence type
4. Record an Absence and Verify Results

Create Custom Message

***Navigation: Setup and Maintenance -> Search -> Manage Messages->Create***

We will create a custom message which should have following details:

|  |  |
| --- | --- |
| **Attribute Name** | **Attribute Value** |
| Message Name | ANC\_DEMO\_INFORMATION\_MSG |
| Application | Absence Management |
| Module | Absence Recording |
| Message Number | 100000002 |
| Message Type | Information |
| Category | Product |
| Severity | High |
| Logging Enabled | Checked |
| \*Short Text | Absence is being recorded for person having person number as {PERSON\_NUMBER} and user name as {PERSON\_USER\_NAME} |

|  |  |  |
| --- | --- | --- |
| **ANC\_DEMO\_INFORMATION\_MSG: Message Tokens** | | |
| Token Name | Data Type | Description |
| PERSON\_NUMBER | Text | Person Number of the Employee for whom absence is being recorded |
| PERSON\_USER\_NAME | Text | User Name of the Employee for whom absence is being recorded |

![A screenshot of text

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Create Custom “Global Absence Entry Validation” Fast Formula

***Navigation: Setup and Maintenance -> Search -> Fast Formulas -> Create***

We will create a custom Validation Fast Formula. Formula content is below for ready reference:

|  |
| --- |
| Formula Text |
| /\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  FORMULA NAME: TEST\_MESSAGE\_TOKEN  FORMULA TYPE: Global Absence Entry Validation  DESCRIPTION: Formula to demonstrate Message Token display  Change History:  Name Date Comments  --------------------------------------------------------------------------------------------------------------------  Ashish Harbhajanka 25-06-2020 Initial Version  --------------------------------------------------------------------------------------------------------------------  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/  DEFAULT FOR PER\_PER\_USER\_NAME is 'X'  DEFAULT FOR PER\_ASG\_PERSON\_NUMBER IS 'X'  INPUTS ARE IV\_START\_DATE,IV\_END\_DATE,IV\_TOTALDURATION  lc\_user\_name = PER\_PER\_USER\_NAME  lc\_person\_number = PER\_ASG\_PERSON\_NUMBER  VALID = 'Y'  IF IV\_TOTALDURATION > 40  THEN  (  VALID = 'N'  ERROR\_CODE = 'I'  ERROR\_MESSAGE = 'ANC\_DEMO\_INFORMATION\_MSG'  TOKEN\_NAME[1]='PERSON\_NUMBER'  TOKEN\_VALUE[1] = lc\_person\_number  TOKEN\_NAME[2]='PERSON\_USER\_NAME'  TOKEN\_VALUE[2] = lc\_user\_name  RETURN VALID,  ERROR\_CODE,  ERROR\_MESSAGE,  TOKEN\_NAME,  TOKEN\_VALUE,  lc\_user\_name,  lc\_person\_number  )  RETURN VALID |

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Attach Validation Fast Formula to absence type

***Navigation: Setup and Maintenance -> Search -> Manage Absence Type -> Search -> Sick***

We will now attach the newly create validation fast formula to an existing absence type (“Sick” for this example)

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Record an Absence and Verify Results

Now we will try to record and absence and verify results. We would need to navigate to “Manage Absence Record” screen.

***Navigation is: My Client Groups -> Person Management -> Search (for Person Number 40 for this example) -> Absences -> Manage Absence Records***

We will try to record an absence of “Sick” type (which will have an absence duration greater than 40, as this is the condition when message should be displayed)

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Now, if we try to record absence for another employee, we will see that the person number and user name would change accordingly

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Summary

So, this is how we can display dynamic values in a message by making use of message token.

In the above demonstration we have used Absence Management module to display the message, but one can use any module area wherever messages can be invoked.

And with this we have come to end of the article.

Hope this was a good read and would be helpful.

Thanks all for your time and have a great day ahead.