|  |  |
| --- | --- |
| **Target Release** |   |
| **Epic** |  <https://bercasaas.atlassian.net/browse/ERP-2056>  |
| **Road Map** |  |
| **Document Owner** |  @Dinda Aprilia Pratiwi  |
| **Designer** | @Dinda Aprilia Pratiwi  |
| **Developer** |  @Egi Agus Setiawan Nurdin  |
| **QA** |   |
| **Enhancement/Refinement** | **Jira Ticket** | **Owner** |
| Enhancement* enhance doctype
* update to surat penjaminan
 | <https://bercasaas.atlassian.net/browse/ERP-2477>  | @Dinda Aprilia Pratiwi  |
| * add amortisasi

**Please pay attention to the red text in this design.** | <https://project.opusb.co.id/issues/69>  |  |
|  |  |  |
|  |  |  |

**UI:**

**Document Type**

Menu : Document Type

Window : Document Type

Tab: Document Type



Table : c\_doctype

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Name** | **Reference Type** | **Reference** | **Notes** |
| Invoice\_SubType | Invoice Sub Type | List | * SP/SP Penjaminan
* NP/Non SPNon Penjamin
* NA/Non Amortize
 | display logic = y where docbasetype=ARI and API |

**Business Logic**

**Callout on Document Type**

|  |  |  |
| --- | --- | --- |
| **No** | **Trigger** | **Callout** |
|  |  |  |

**Validation on Document Type**

|  |  |  |
| --- | --- | --- |
| **No.** | **Trigger** | **Validation** |
|  |  |  |
|  |  |  |

**Process**

|  |  |
| --- | --- |
| **Trigger** | **Process** |
|  |  |
|  |  |
|  |  |

**Invoice AR (Customer)**

Menu : Invoice AR (Customer)

Window : Invoice AR (Customer)

Tab: Invoice AR (Customer)



c\_invoice

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Name** | **Reference Type** | **Reference** | **Notes** |
| JMK\_SuratPenjaminan\_ID | SP No. | Table direct |  |  |
| EndDate | End Date |  |  | =StartDate+JangkaBulan |
| JangkaBulan | Tenor (bulan) | Numberformat pattern #,### |  | = StartDate-EndDate(EndDate - StartDate)+1 |
| Total\_SYD | Total SYD | Amount |  | =(JangkaBulan+[JangkaBulan+1])/2 (JangkaBulanx[JangkaBulan+1])/2 |
| M\_Product\_ID | Produk Penjaminan | Search  |  | Display = Y where Invoice\_SubType. C\_DocType **=** SP AND IsSOTrx = Y |

**Business Logic**

**Callout on Invoice AR (Customer)**

|  |  |
| --- | --- |
| **Trigger** | **Callout** |
| Save | * JMK\_Amount get from TotalLines
* EndDate=(StartDate+JangkaBulan)-1
* JangkaBulan=(EndDate - StartDate)+1
* Total\_SYD=(JangkaBulan+[JangkaBulan+1])/2
 |

**Validation on Invoice AR (Customer)**

|  |  |  |
| --- | --- | --- |
| **No.** | **Trigger** | **Validation** |
|  |  |  |
|  |  |  |

**Process**

|  |  |
| --- | --- |
| **Trigger** | **Process** |
|  |  |
|  |  |
|  |  |

Menu : **Invoice AR (Customer)**

Window :  **Invoice AR (Customer)**

**Tab: Amortisasi**



JMK\_InvAmt

Read Only=Y, Insert Record=N

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Name** | **Reference Type** | **Reference** | **Notes** |
| ad\_client\_id | Client | Table direct |  |  |
| ad\_org\_id | Organization | Table direct |  |  |
| JMK \_SuratPenjaminan\_ID | No. Surat Penjaminan | search ID |  |  |
| c\_invoice\_id | Invoice No. | search ID |  |  |
| JMK\_InvAmt\_ID |  |  |  |  |
| JMK\_InvAmt\_UU |  |  |  |  |
| Created |  |  |  |  |
| CreatedAt |  | Date time |  |  |
| Updated |  |  |  |  |
| UpdatedAt |  | Date time |  |  |
| Line | Line No. |  |  |  |
| DateDoc | Period Amortisasi | date |  |  |
| SisaBulan | Sisa Bulan | Numberformat pattern #,### |  |  |
| Amt | Nilai Amortisasi | amountformat pattern #,### |  |  |
| SaldoAmt | Saldo Amortisasi | amountformat pattern #,### |  |  |

**Business Logic**

**Callout on Amortisasi**

|  |  |  |
| --- | --- | --- |
| **No** | **Trigger** | **Callout** |
| 1 | DocAction=CO after complete | IF c\_doctype.Invoice\_SubType~~!=SP~~ IN (SP,NP)run call out Process Amortisasi Invoice |
|  |  |  |

**Validation on Amortisasi**

|  |  |
| --- | --- |
| **Triger** | **Validation** |
|  |  |

**Process on Amortisasi**

|  |  |
| --- | --- |
| **Trigger** | **Process** |
| * DocAction=CO after complete
 | Process Amortisasi Invoice |

* **Process Amortisasi Invoice**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column From** | **Table From** | **Column To** | **Table To** | **Notes** |
| ad\_client\_id | c\_invoice | ad\_client\_id | JMK\_InvAmt |  |
| ad\_org\_id | c\_invoice | ad\_org\_id | JMK\_InvAmt |  |
| JMK \_SuratPenjaminan\_ID | c\_invoice | JMK \_SuratPenjaminan\_ID | JMK\_InvAmt |  |
| c\_invoice\_id | c\_invoice | c\_invoice\_id | JMK\_InvAmt |  |
|  |  | JMK\_InvAmt\_ID | JMK\_InvAmt |  |
|  |  | JMK\_InvAmt\_UU | JMK\_InvAmt |  |
|  |  | Created | JMK\_InvAmt |  |
|  |  | CreatedAt | JMK\_InvAmt |  |
|  |  | Updated | JMK\_InvAmt |  |
|  |  | UpdatedAt | JMK\_InvAmt |  |
|  |  | Line | JMK\_InvAmt | auto num increment 1 (1,2,3 etc) |
|  |  | SisaBulan | SisaBulan | * Line 1= C\_Invoice.JangkaBulan
* Line n= JMK\_InvAmt.SisaBulanline n-1 - 1
 |
|  |  | DateDoc | JMK\_InvAmt | Start= c\_invoice.EOMONTH(StartDate)run process until DateDoc=c\_invoice.EOMONTH(EndDate |
|  |  | Amt | JMK\_InvAmt | =(JMK\_InvAmt.SisaBulan/c\_invoice.Total\_SYD) x c\_invoice.JMK\_Amt |
|  |  | SaldoAmt | JMK\_InvAmt | * line 1= jmk\_amt- amt line 1
* line 2,n= SaldoAmt(prev row) - Amt
 |

**Invoice (Vendor)**

Menu : Invoice (Vendor)

Window : Invoice (Vendor)

Tab: Invoice (Vendor)



c\_invoice

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Name** | **Reference Type** | **Reference** | **Notes** |
| JMK\_SuratPenjaminan\_ID | SP No. | Table direct |  | default where JMK\_SuratPenjaminan\_ID.Status=AK sort by documentno DESCdisplay DocumentNo\_c\_bartner.name |
| JangkaBulan | Tenor (bulan) | Numberformat pattern #,### |  | = StartDate-EndDate(EndDate - StartDate)+1 |
| Total\_SYD | Total SYD | Amount |  | =(JangkaBulan+[JangkaBulan+1])/2 (JangkaBulanx[JangkaBulan+1])/2 |

**Business Logic**

**Callout on Invoice (Vendor)**

|  |  |
| --- | --- |
| **Trigger** | **Callout** |
| Save | * JMK\_Amount get from TotalLines
* EndDate=(StartDate+JangkaBulan)-1
* JangkaBulan=(EndDate - StartDate)+1
* Total\_SYD=(JangkaBulan+[JangkaBulan+1])/2
 |

**Validation on Invoice (Vendor)**

|  |  |  |
| --- | --- | --- |
| **No.** | **Trigger** | **Validation** |
|  |  |  |
|  |  |  |

**Process**

|  |  |
| --- | --- |
| **Trigger** | **Process** |
|  |  |
|  |  |
|  |  |

Menu :**Invoice (Vendor)**

Window :  **Invoice (Vendor)**

**Tab: Amortisasi**



JMK\_InvAmt

Read Only=Y, Insert Record=N

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column** | **Name** | **Reference Type** | **Reference** | **Notes** |
| ad\_client\_id | Client | Table direct |  |  |
| ad\_org\_id | Organization | Table direct |  |  |
| JMK \_SuratPenjaminan\_ID | No. Surat Penjaminan | search ID |  |  |
| c\_invoice\_id | Invoice No. | search ID |  |  |
| JMK\_InvAmt\_ID |  |  |  |  |
| JMK\_InvAmt\_UU |  |  |  |  |
| Created |  |  |  |  |
| CreatedAt |  | Date time |  |  |
| Updated |  |  |  |  |
| UpdatedAt |  | Date time |  |  |
| Line | Line No. |  |  |  |
| SisaBulan | Sisa Bulan | Numberformat pattern #,### |  |  |
| DateDoc | Period Amortisasi | date |  |  |
| Amt | Nilai Amortisasi | amountformat pattern #,### |  |  |
| SaldoAmt | Saldo Amortisasi | amountformat pattern #,### |  |  |

**Business Logic**

**Callout on Amortisasi**

|  |  |  |
| --- | --- | --- |
| **No** | **Trigger** | **Callout** |
| 1 | DocAction=CO after complete | IF c\_doctype.Invoice\_SubType~~!=SP~~ IN (SP,NP)run call out Process Amortisasi Invoice AP |
|  |  |  |

**Validation on Amortisasi**

|  |  |
| --- | --- |
| **Triger** | **Validation** |
|  |  |

**Process on Amortisasi**

|  |  |
| --- | --- |
| **Trigger** | **Process** |
| * DocAction=CO after complete
 | Process Amortisasi Invoice AP |

* **Process Amortisasi Invoice**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column From** | **Table From** | **Column To** | **Table To** | **Notes** |
| ad\_client\_id | c\_invoice | ad\_client\_id | JMK\_InvAmt |  |
| ad\_org\_id | c\_invoice | ad\_org\_id | JMK\_InvAmt |  |
| JMK \_SuratPenjaminan\_ID | c\_invoice | JMK \_SuratPenjaminan\_ID | JMK\_InvAmt |  |
| c\_invoice\_id | c\_invoice | c\_invoice\_id | JMK\_InvAmt |  |
|  |  | JMK\_InvAmt\_ID | JMK\_InvAmt |  |
|  |  | JMK\_InvAmt\_UU | JMK\_InvAmt |  |
|  |  | Created | JMK\_InvAmt |  |
|  |  | CreatedAt | JMK\_InvAmt |  |
|  |  | Updated | JMK\_InvAmt |  |
|  |  | UpdatedAt | JMK\_InvAmt |  |
|  |  | Line | JMK\_InvAmt | auto num increment 1 (1,2,3 etc) |
|  |  | SisaBulan | SisaBulan | * Line 1= C\_Invoice.JangkaBulan
* Line n= JMK\_InvAmt.SisaBulanline n-1 - 1
 |
|  |  | DateDoc | JMK\_InvAmt | Start= c\_invoice.EOMONTH(StartDate)run process until DateDoc=c\_invoice.EOMONTH(EndDate |
|  |  | Amt | JMK\_InvAmt | =(JMK\_InvAmt.SisaBulan/c\_invoice.Total\_SYD) x c\_invoice.JMK\_Amt |
|  |  | SaldoAmt | JMK\_InvAmt | * line 1= jmk\_amt- amt line 1
* line 2,n= SaldoAmt(prev row) - Amt
 |