

Preparation of Work Item

Use the following setup to prepare a work item of type *family*:

SANTA-529 - Family Potter Created: 2022-11-16 19:44, Updated: 2022-11-16 19:47

Author: **John Doe** Priority: **High [70.0]**

Assignee(s): **Santa** Due Date: **2022-12-25**

Status: **In Progress**

Resolution:

| Person | Family Role | Age | Gift | Status |
|---------------|-------------|-----|---|----------|
| Harry | Father | 42 | Sorcerers Stone | prepared |
| Ginny | Mother | 41 | Fur purse with fang | ordered |
| James Sirius | Son | 18 | self knitted jumper with large JS (asking elves for help) | |
| Albus Severus | Son | 16 | self knitted jumper with large AS (asking elves for help) | |
| Lily Loena | Daughter | 14 | self knitted jumper with large LL (asking elves for help) | |

It has a custom field of type table as with the configuration as shown below:

family-custom-fields.xml

| ID | Name | Type | Description | Mu... | Required | Default Value | Acti... |
|-------|-------|----------------|---------------|--------------------------|--------------------------|---------------|--------------------------|
| gifts | Gifts | Table | Configuration | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |
| | | String (sin... | | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> |

Table configuration is:

Table Configuration: Gifts

Define the columns that will appear in the table as single-line text inputs.

| ID* | Name* | Description | Actions |
|--------|-------------|-------------|---------|
| Person | Person | | - |
| Role | Family Role | | - |
| Age | Age | | - |
| Gift | Gift | | - |
| Status | Status | | - |
| | | | + |

OK Cancel

To display this custom field, add it to the form configuration of the work item. Note, tables should not be part of the horizontal section.

```
:  
<horizontal>  
  <vertical>  
    <section>  
      <field id="author"/>  
    </section>  
    <section>  
      <field id="assignee"/>  
      <field id="status"/>  
      <field id="resolution"/>  
    </section>  
  </vertical>  
</horizontal>  
<vertical>  
  <section>  
    <field id="priority"/>  
    <field id="dueDate"/>  
  </section>  
</vertical>
```

```

        </section>
    </vertical>
</horizontal>

    <field id="gifts"/>
:
:

```

Live Report page

The report page can look like this:

List of family presents

| Person | Role | Age | Gift | Status |
|---------------|----------|-----|---|----------|
| Harry | Father | 42 | Sorcerers Stone | prepared |
| Ginny | Mother | 41 | Fur purse with fang | ordered |
| James Sirius | Son | 18 | self knitted jumper with large JS (asking elves for help) | ⚠ |
| Albus Severus | Son | 16 | self knitted jumper with large AS (asking elves for help) | ⚠ |
| Lily Loena | Daughter | 14 | self knitted jumper with large LL (asking elves for help) | ⚠ |

The example report consists of one page parameter and two widgets: page parameter block for the page parameter and a Script -Block containing the velocity code. To define the parameter use the following picture:

The velocity code for reading and displaying the table and its values is part of the script block:

```

#set($projectId = $page.reference.projectId)
#set($wiId = $pageParameters.family.singleValue().id)
#set($familyId = $transaction.workItems().getBy().ids("$projectId", "$wiId"))

#set($giftTable=$familyId.getOldApi().getCustomField("gifts"))

#set($keys = $giftTable.getKeys())
#set($giftTableRows = $giftTable.rows)
#set($rows = $objectFactory.newMap())

#set($indexRow = 0)

```

```

<table class="polarion-rpw-table-content">
  ## let's prepare the header
  ## use the following logic only, if all table cells should appear in the report
  <tr class="polarion-rpw-table-header-row">
    #foreach($giftTableKeys in $keys)
      <th>$giftTableKeys</th>
    #end
  </tr>

  #foreach($giftTableRow in $giftTableRows)
    #set($arrayID = [])

    #foreach($giftTableRowDetail in $giftTableRow.getValues())
      #set($void = $arrayID.add($giftTableRowDetail.getContent()))
    #end
    #set($void = $rows.put("row$indexRow",$arrayID))
    #set($indexRow = $indexRow +1)
  #end

  #set($indexRow = 0) ## reset row counter

  #foreach($row in $rows)
    <tr class="polarion-rpw-table-content-row">
      <td>$rows.get("row$indexRow").get(0)</td> ##column 1 of table
      <td>$rows.get("row$indexRow").get(1)</td> ##column 2 of table
      <td>$rows.get("row$indexRow").get(2)</td> ##column 3 of table
      <td>$rows.get("row$indexRow").get(3)</td> ##column 4 of table
      #if($rows.get("row$indexRow").get(4) == "")
        <td></td>
      #else
        <td>$rows.get("row$indexRow").get(4)</td> ##column 5 of table
      #end
    </tr>
    #set($indexRow = $indexRow + 1)
  #end
</table>

```