Exercise 6 - Export Charts with Word Templates

In this exercise, you will use a Word template (DOCX) to export data into charts within the document.

Let's start by creating a cover page as previously learned and inserting a Table of Contents.

This document will iterate multiple issues (Bulk export), exporting some basic information and a chart based on Number Type Custom Fields for each issue.

While iterating all issues, we'll update some template variables (with set function), which will be used to export a final chart at the end of the document.

Insert a title "Issues" with style Heading 1 (to be used with TOC) and below it add the following set functions:

${set(issueTypeBug,0)}

${set(issueTypeStory,0)}

${set(issueTypeSubTestExec,0)}

${set(issueTypeEpic,0)}

${set(statusOpen,0)}

${set(statusResolved,0)}

${set(statusClosed,0)}

${set(statusInProgress,0)}

Those variables will be used to populate the final chart.

Start iterating issues with **&{for issues}**.

Export some basic information like the issue Key and Summary.

Insert a chart.

> Currently, Microsoft Word Charts aren't supported by Xporter for Jira. To export charts on a Microsoft Word template, it's needed to used OLE (Object Linking and Embedding) Microsoft Excel Chart.

To insert the Microsoft Excel Chart:

1. Insert
2. Object
3. Microsoft Excel Chart

Double-click the newly inserted chart to edit it.

We'll populate the chart with three values: AttachmentsCount, CommentsCount and LinksCount.

Righ click the chart and choose "Select Data". You'll be transferred to the sheet with the data. Select the Range from **A1** to **D2**.

Delete all other data and change the selected range as follows:

	A	B	C	D
1		AttachmentsCount	CommentsCount	LinksCount
2	${Key}	${AttachmentsCount}	${CommentsCount}	${LinksCount}

Now, we'll need to update the previously defined variables. We'll increment each issue type and status depending on the issue context being exported.

```
#{if (%{'${IssueTypeName}' == 'Bug'})}

${set(issueTypeBug,%{${issueTypeBug} + 1})}

#{end}

#{if (%{'${IssueTypeName}' == 'Story'})}

${set(issueTypeStory,%{${issueTypeStory} + 1})}

#{end}

#{if (%{'${IssueTypeName}' == 'Sub Test Execution'})}

${set(issueTypeSubTestExec,%{${issueTypeSubTestExec} + 1})}

#{end}

#{if (%{'${IssueTypeName}' == 'Epic'})}

${set(issueTypeEpic,%{${issueTypeEpic} + 1})}

#{end}

#{if (%{'${Status}' == 'Open'})}

${set(statusOpen,%{${statusOpen} + 1})}

#{end}

#{if (%{'${Status}' == 'In Progress'})}

${set(statusInProgress,%{${statusInProgress} + 1})}

#{end}

#{if (%{'${Status}' == 'Resolved'})}

${set(statusResolved,%{${statusResolved} + 1})}

#{end}

#{if (%{'${Status}' == 'Closed'})}

${set(statusClosed,%{${statusClosed} + 1})}

#{end}
```

Close the issues iteration with **&{end}**.

Being almost finished, let's add two final charts with the totals of issue types and issue statuses.

Add a title "Totals" with style Heading 1. Insert two charts as before, with the following data:

	A	B	C	D	E
1		Bug	Story	Sub Test Execution	Epic
2	Issue Types	${issueTypeBug}	${issueTypeStory}	${issueTypeSubTestExec}	${issueTypeEpic}

	A	B	C	D	E
1		Open	In Progress	Resolved	Closed
2	Issue Statuses	${statusOpen}	${statusInProgress}	${statusResolved}	${statusClosed}

And we're done.

Below there is a sample of how the mappings will be displayed in a Word template:

${set(issueTypeBug,0)}¶
${set(issueTypeStory,0)}¶
${set(issueTypeSubTestExec,0)}¶
${set(issueTypeEpic,0)}¶
${set(statusOpen,0)}¶
${set(statusResolved,0)}¶
${set(statusClosed,0)}¶
${set(statusInProgress,0)}¶

- Issues¶
&{for-issues}¶
- ${Key}¶
  Summary:-${Summary}¶

#{if-{%{'${IssueTypeName}'-=='Bug'}}}¶
${set(issueTypeBug,%{${issueTypeBug}-+-1})}¶
#{end}¶
#{if-{%{'${IssueTypeName}'-=='Story'}}}¶
${set(issueTypeStory,%{${issueTypeStory}-+-1})}¶
#{end}¶
#{if-{%{'${IssueTypeName}'-=='Sub-Test-Execution'}}}¶
${set(issueTypeSubTestExec,%{${issueTypeSubTestExec}-+-1})}¶
#{end}¶

#{if-{%{'${IssueTypeName}'-=='Epic'}}}¶
${set(issueTypeEpic,%{${issueTypeEpic}-+-1})}¶
#{end}¶
#{if-{%{'${Status}'-=='Open'}}}¶
${set(statusOpen,%{${statusOpen}-+-1})}¶
#{end}¶
#{if-{%{'${Status}'-=='In-Progress'}}}¶
${set(statusInProgress,%{${statusInProgress}-+-1})}¶
#{end}¶
#{if-{%{'${Status}'-=='Resolved'}}}¶
${set(statusResolved,%{${statusResolved}-+-1})}¶
#{end}¶
#{if-{%{'${Status}'-=='Closed'}}}¶
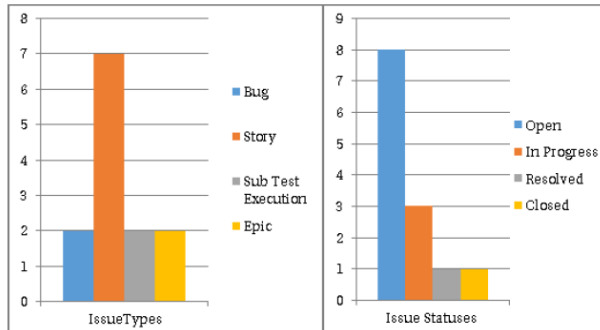${set(statusClosed,%{${statusClosed}-+-1})}¶
#{end}¶
&{end}¶

- Totals¶

Below there is a sample of how the generated file will be populated:
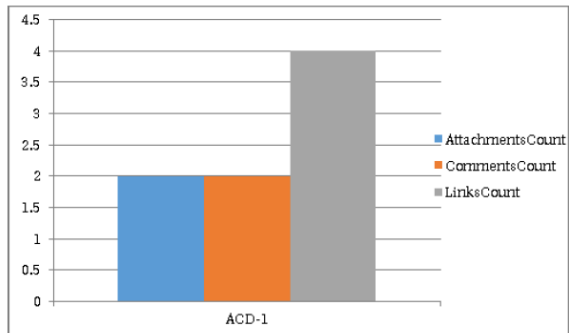
Totals

ⓘ You can find more examples of charts in MS Word templates in here.

ⓘ

Here's the **Exercise 6** related files:

File	Description
Exercise6Template	**Exercise 6** Sample Template file
Exercise6Generated	**Exercise 6** Sample generated file