

Reading runtime values from an Excel spreadsheet

Cameo Simulation Toolkit helps you read fUML runtime values from an Excel file. The following API will read the values of a specific row from a spreadsheet in an Excel file, and then create an fUML ValueList to store the values.

```
public ValueList readObjectFromSpreadSheet(String fileName, String sheetName, Number rowIndex, Object mappingClass) {  
    ...  
}
```

The APIs can ignore the sheetName and use the first sheet of the selected spreadsheet instead.

```
public ValueList readObjectFromSpreadSheet(String fileName, Number rowIndex, Object mappingClass) {  
    ...  
}
```

The following API will read the values from multiple rows of the selected spreadsheet in the Excel file, and then create the fUML ValueList to store the values

```
public ValueList readObjectsFromSpreadSheet(String fileName, String sheetName, Number startRow, Number endRow, Object mappingClass) {  
    ...  
}
```

The APIs can ignore the sheetName and use the first sheet of the selected spreadsheet instead.

```
public ValueList readObjectsFromSpreadSheet(String fileName, Number startRow, Number endRow, Object mappingClass) {  
    ...  
}
```

If you want to read all values from the selected spreadsheet, you can use the following API

```
public ValueList readObjectsFromSpreadSheet(String fileName, String sheetName, Object mappingClass) {  
    ...  
}
```

The API can ignore the sheetName and use the first sheet of the selected spreadsheet instead.

```
public ValueList readObjectsFromSpreadSheet(String fileName, Object mappingClass) {  
    ...  
}
```

The mappingClass parameter can be String or Element for represent the mapping class name or mapping Class Element.

The APIs can ignore the mappingClass then create the runtime object of the file schema element that is matched with filename

```
public ValueList readObjectFromSpreadSheet(String fileName, String sheetName, Number rowIndex) {  
    ...  
}  
public ValueList readObjectFromSpreadSheet(String fileName, Number rowIndex) {  
    ...  
}  
public ValueList readObjectsFromSpreadSheet(String fileName, String sheetName, Number startRow, Number endRow) {  
    ...  
}  
public ValueList readObjectsFromSpreadSheet(String fileName, Number startRow, Number endRow) {  
    ...  
}
```

The following API can assign a name parameter to check the name of a mappingClass or a sheetName. If the matching mappingClass cannot be found, this API will use the file schema element to create a runtime object and check the sheet name of the Excel file with the name parameter.

```
public ValueList readObjectsFromSpreadSheet(String fileName, String name) {  
    ...  
}
```