



de.kupzog.ktable.KTable

Custom drawn widget for SWT GUI design

table model KTable is a flexible grid of cells to display data in it. The class focuses on displaying data and not on collecting the data to display. The latter is done by the KTableModel which has to be implemented for each specific case.
The table asks the table model for the amount of columns and rows, for the sizes of columns and rows and for the content of the cells that are currently drawn. Even if the table has a million rows, it won't get slower because it only requests those cells it currently draws. Only a bad table model can influence the drawing speed negatively.

cell renderer When drawing a cell, the table calls a KTableCellRenderer to do this work. The table model determines which cell renderer is used for which cell. A default renderer is available (which was used to create the table shown in the pictures), but the creation of self-written renderers for specific purposes is assumed.

cell resize KTable allows to resize columns and rows. Each column can have an individual size while the rows are all of the same height except the first row.

header cells Multiple column and row headers are possible. These "fixed" cells will not be scrolled out of sight. The column and row count always starts at the upper left corner with 0, independent of the number of column headers or row headers (see pictures).

cell selection KTable has different selection modes. On one hand, there is the "single select" and the "multi select" mode. In the first, only one item can be selected. The second allows to select multiple items at diverse positions. On the other hand there is the "cell selection" and the "row selection" mode. In "row selection" mode there is always a complete row selected, e.g. a record of a database. (See picture on the right.)

cell editors "In place editing" is made possible by KTableCellEditor classes. So far there are text and a combo editors available. Editors for other purposes can be easily added by extending KTableCellEditor.

0/0	1/0	2/0	3/0
0/1	1/1	2/1	3/1
0/2	1/2	2/2	3/2
0/3	1/3	2/3	3/3
0/4	1/4	2/4	3/4
0/5	1/5	2/5	3/5
0/6	1/6	2/6	3/6
0/7	1/7	2/7	3/7
0/8	1/8	Ist ein Text	3/8
0/9	1/9	2/9	3/9
0/10	1/10	2/10	3/10
0/11	1/11	2/11	3/11
0/12	1/12	2/12	3/12
0/13	1/13	2/13	3/13
0/14	1/14	2/14	3/14
0/15	1/15	2/15	3/15
0/16	1/16	2/16	3/16
0/17	1/17	2/17	3/17
0/18	1/18	2/18	3/18
0/19	1/19	2/19	3/19
0/20	1/20	2/20	3/20
0/21	1/21	2/21	3/21
0/22	1/22	2/22	3/22
0/23	1/23	2/23	3/23
0/24	1/24	2/24	3/24
0/25	1/25	2/25	3/25
0/26	1/26	2/26	3/26

0/0	1/0	2/0	3/0	4/0	5/0
0/1	1/1	2/1	3/1	4/1	5/1
0/2	1/2	2/2	3/2	4/2	5/2
0/3	1/3	2/3	3/3	4/3	5/3
0/4	1/4	2/4	3/4	4/4	5/4
0/5	1/5				

0/0	1/0	2/0	3/0	4/0	5/0
0/1	1/1	2/1	3/1	4/1	5/1
0/2	1/2	2/2	3/2	4/2	5/2
0/3	1/3	2/3	3/3	4/3	5/3
0/4	1/4	2/4	3/4	4/4	5/4
0/5	1/5	2/5	3/5	4/5	5/5

KTable and its components can be freely used in non-commercial and commercial applications. The author does not guarantee the proper function of KTable. If you use KTable you are welcome to contribute your bug reports, bug fixes or functionality enhancements to the public by posting them to the author. Thank you.