

CLAIMS

WHAT IS CLAIMED IS:

1. A method for rendering a cell page, the method being applied to a server and comprising:

obtaining, by a server, a preset editor and a worksheet to be processed, the worksheet comprising a plurality of cells;

in response to detection of a click event at the location of any one of the plurality of cells, obtaining a table attribute of the cell based on the preset editor; and

determining, based on a preset mapping relationship between the table attribute and a worksheet element, the worksheet element corresponding to the cell at which the click event is detected, and initializing the cell to make the cell to display the corresponding worksheet element by the preset editor, to realize the rendering of the cell page, the worksheet element comprising a text entry box, a drop-down box, a selection box, or a date selection box.

2. The method of claim 1, wherein “obtaining, by a server, a preset editor” comprises:

adding, by the server, an editor worksheet panel to an initialization entry of the preset editor; and

calling an event proxy to process the editor worksheet panel, to initialize the preset editor and obtain the preset editor.

3. The method of claim 1, wherein “obtaining, by a server, a worksheet to be processed” comprises:

obtaining, by the server, an empty table, and obtaining row and column identifiers that to be added to the empty table;

determining the locations for placement of the row and column identifiers in the empty table based on a pre-stored service data table; and

adding the row and column identifiers to the empty table according to the

determined placement locations, to obtain the worksheet.

4. The method of claim 1, wherein “in response to detection of a click event at the location of any one of the plurality of cells, obtaining a table attribute of the cell based on the preset editor ”comprises:

in response to detection of a click event at the location of any one of the plurality of cells, determining whether the cell is activated; and

if the cell is not activated, performing the operation of obtaining the table attribute of the cell based on the preset editor, wherein the cell is identified to have been activated after a worksheet element is initialized for the cell.

5. The method of claim 1, wherein the following operations are simultaneously performed while performing “in response to detection of a click event at the location of any one of the plurality of cells, obtaining a table attribute of the cell based on the preset editor”:

determining a position, a width, and a height of the cell; and

adjusting the position, the width, and the height of the preset editor based on the determined position, width, and height, to hover the adjusted editor above the cell.

6. The method of claim 1, further comprising the following operations subsequent to “initializing a worksheet element for the cell based on the obtained table attribute to realize the rendering of the cell page”:

when the table attribute is a table attribute of a preset type, obtaining a corresponding data model of the cell based on the table attribute of the cell;

obtaining a preset default value based on the data model and the table attribute; and

taking the obtained default value as a default value of the cell.

7. The method of claim 1, further comprising the following operations

subsequent to “initializing a worksheet element for the cell based on the obtained table attribute to realize the rendering of the cell page”:

in response to detection that a cursor leaves the cell, setting the cell to be focus invalid; and

backfilling the data that is entered in the cell by the preset editor, and updating a view of the cell.

8. The method of claim 1, wherein the preset editor is hidden when no click event is received in the worksheet.

9. The method of claim 7, wherein the preset editor is hidden when no click event is received in the worksheet.

10. An apparatus for rendering a cell page, the apparatus being applied to a server and comprising a processor and a memory coupled to the processor, the memory storing programmed instruction units executable by the processor, the programmed instruction units comprising:

an acquisition module, configured to obtain a preset editor and a worksheet to be processed, the worksheet comprising a plurality of cells, the acquisition module being further configured to, in response to detection of a click event at the location of any one of the plurality of cells, obtain a table attribute of the cell based on the preset editor; and

an initialization module, configured to determine, based on a preset mapping relationship between the table attribute and a worksheet element, the worksheet element corresponding to the cell at which the click event is detected, and initialize the cell to make the cell to display the corresponding worksheet element by the preset editor, to realize the rendering of the cell page, the worksheet element including a text entry box, a drop-down box, a selection box, or a date selection box.

11. The apparatus of claim 10, wherein the acquisition module comprises: a first adding unit, configured to add an editor worksheet panel to an initialization entry of the preset editor; and

a calling unit, configured to call an event proxy to process the editor worksheet panel, to initialize the preset editor and obtain the preset editor.

12. The apparatus of claim 10, wherein the acquisition module further comprises: an acquisition unit, configured to obtain an empty table, and obtain row and column identifiers that are to be added to the empty table;

a first determination unit, configured to determine the locations for placement of the row and column identifiers in the empty table based on a pre-stored service data table; and

a second adding unit, configured to add the row and column identifiers to the empty table according to the determined placement locations, to obtain the worksheet.

13. The apparatus of claim 10, wherein the acquisition module further comprises:

a second determination unit, configured to, in response to detection of a click event at the location of any one of the plurality of cells, determine whether the cell is activated; and

an execution unit configured to, if the cell is not activated, perform the following operation: obtaining the table attribute of the cell based on the preset editor, wherein the cell is activated after a worksheet element is initialized for the cell.

14. The apparatus of claim 10, wherein the programmed instruction units further comprise:

a determination module, configured to determine a position, a width, and a height of the cell; and

an adjustment module, configured to adjust the position, the width, and the height of the preset editor based on the determined position, width, and height, to hover the adjusted editor above the cell.

15. The apparatus of claim 10, wherein the acquisition module is further configured to obtain a corresponding data model of the cell based on the table attribute of the cell when the table attribute is a table attribute of a preset type;

the acquisition module is further configured to obtain a preset default value based on the data model and the table attribute; and

the programmed instruction units further comprise a processing module configured to take the obtained default value as a default value of the cell.

16. The apparatus of claim 10, wherein the programmed instruction units further comprise:

a setting module, configured to, in response to detection that a cursor leaves the cell, set the cell to be focus invalid; and

a backfill and update module, configured to backfill the data that is entered in the cell by the preset editor, and update a view of the cell.

17. The apparatus of claim 10, wherein the programmed instruction units further comprise a hiding module configured to hide the preset editor when no click event is received in the worksheet.

18. The apparatus of claim 16, wherein the programmed instruction units further comprise a hiding module configured to hide the preset editor when no click event is received in the worksheet.

19. A server, comprising a memory, a processor, and a cell page rendering program that is stored in the memory and that is operable on the processor, the cell page rendering program when executed by the processor performing the operations of the method as claimed in claim 1.

20. A readable storage medium storing a cell page rendering program, the cell page rendering program when executed by a processor performing operations of the method as claimed in claim 1.