

CLAIMS

1. A method for reusing a ListCell in a hybrid application, wherein the method comprises:
defining a prototype of a ListCell at a front end of the hybrid application (S1);
obtaining the ListCell through copying at a native end of the hybrid application based on the prototype of the ListCell; and
reusing the ListCell (S2).
2. The method according to claim 1, wherein defining a prototype of a ListCell comprises defining a structure layout and a class of the prototype of the ListCell.
3. The method according to claim 1, wherein the prototype of the ListCell is a prototype of a single ListCell.
4. The method according to any one of claims 1 to 3, wherein obtaining the ListCell through copying based on the prototype of the ListCell comprises:
creating a ListCell template based on the prototype of the ListCell; and
obtaining the ListCell by copying the ListCell template.
5. The method of claim 4, further comprising:
filling an obtained ListCell content in the copied ListCell; and
displaying the ListCell.
6. The method according to claim 4 or 5, wherein obtaining the ListCell by copying the ListCell template comprises:
traversing and obtaining all sub-views of the ListCell template; and
creating a ListCell that comprises all the sub-views and attributes of the sub-views.
7. The method according to claim 6, wherein filling an obtained ListCell content in the copied ListCell comprises filling the obtained ListCell content in each corresponding sub-view of the

created ListCell.

8. The method according to claim 7, wherein the ListCell content is obtained from the front end.

9. The method according to claim 4 or 5, wherein during obtaining the ListCell by copying the ListCell template, the number of copied ListCells is determined based on the number of ListCells that can be comprised and displayed in a display area.

10. The method according to claim 4 or 5, wherein reusing the ListCell comprises:
recycling a ListCell comprising the moved-out ListCell content as a reusable ListCell when a ListCell content is moved out of the display area;
determining whether there is a reusable ListCell when a new ListCell content is to be moved to the display area; and
in response to determining that there is a reusable ListCell, filling the new ListCell content in the reusable ListCell, and displaying the ListCell; or
in response to determining that there is not a reusable ListCell:
obtaining the ListCell by copying the ListCell template;
filling the new ListCell content in the copied ListCell; and
displaying the ListCell.

11. The method according to claim 1, further comprising:
defining, by the front end, a structure and a class of the ListCell;
obtaining, by the front end, ListCell content;
creating, by the front end, a ListCell prototype based on the defined structure and class of the ListCell, and transmitting the ListCell content to the native end;
creating, by the native end, a ListCell template based on the ListCell prototype created by the front end;
one or more of:
determining, by the native end, that a new ListCell is to be moved to a display area;
or

determining, by the native end, that a ListCell is to be moved out of the display area;
and
using, by the native end, the ListCell that is in the display area as a reusable ListCell;
determining, by the native end, whether there is a reusable ListCell;
in response to determining that there is a reusable ListCell, directly using, by the native end, the reusable ListCell; or
in response to determining that there is not a reusable ListCell, cloning, by the native end, a ListCell from the ListCell prototype instance based on the ListCell content; and
rendering, by the native end, the ListCell.

12. The method of claim 11, wherein in response to receiving, at the front end, a refresh trigger, the method further comprises transmitting, by the front end, refreshed content data to the native end.

13. An apparatus reusing a ListCell in a hybrid application, wherein the apparatus comprises multiple apparatuses configured to perform operations according to the method of any one of claims 1 to 12.