

CLAIMS

What is claimed is:

1. A method for presenting interface data, the method comprising:
 - receiving, from a server, structured data of an interface template, wherein the structured data of the interface template is generated by the server by parsing interface template data associated with the interface template, the structured data is written in a general protocol markup language, and the interface template data comprising a tag for describing a widget;
 - identifying the interface template based on an interface identifier included in the service data;
 - in response to identifying the interface template, determining, by the one or more processors, a virtual view node for the widget based on the structured data;
 - binding service data to the virtual view node (S102);
 - determining location information of the widget based on the virtual view node that the service data is bound to (S103);
 - retrieving, by the one or more processors, the widget based on the location information;
 - generating a unified view of the graphical user interface by rendering the widget with a plurality of widgets associated with the graphical user interface (S104); and
 - displaying, by the one or more processors, the unified view of the graphical user interface on a display device.
2. The method according to claim 1, wherein the general protocol markup language is HTML, and the structured data is JSON data or XML data.
3. The method according to any one of claims 1 to 2, wherein the virtual view node stores information related to the common tag, and/or type of the client application, and/or a response event in the client application.
4. The method according to any one of claims 1 to 3, wherein the method further comprises:
 - in response to receiving the structured data of an updated interface template, updating, by the

client application, the related information stored in the virtual view node.

5. The method according to any one of claims 1 to 4, wherein the method further comprises:
in response to receiving the service data from the server, if no structured data of an interface template that corresponds to the service data is identified, requesting, by the client application from the server, the structured data of the interface template that corresponds to the service data.

6. The method according to any one of claims 1 to 5, wherein rendering a view based on the location information of the widget comprises:

in response to determining the location information of widgets , obtaining the location information of the widgets, and rendering the widgets into the view.

7. The method according to any one of claims 1 to 5, further comprising:
delivering the structured data to a client application, so that the client application renders the widget into a view.

8. The method according to any one of claims 1 to 7, wherein the structured data is JSON data and the common tag is stored in a DOM node for the JSON data.

9. The method according to any one of claims 1 to 8, wherein the structured data comprises a first syntax tree with a format simpler than a second syntax tree of the interface template data.

10. The method according to any one of claims 1 to 9, wherein binding the service data to the virtual view node comprises inserting the service data in the virtual view node by using an entry function.

11. An apparatus for displaying interface data, the apparatus comprising a plurality of modules configured to perform the method of any one of claims 1 to 10.