CLAIMS

1. A method for initiating communication in a collaborative authoring community, performed by an electronic device; wherein the collaborative authoring community comprises a plurality of users; and

the method comprises:

acquiring a current collaborative authoring task, wherein the current collaborative authoring task comprises a current process task state diagram, the current process task state diagram comprises one or more current process nodes and one or more current process user sites, the one or more current process user sites belong to the one or more current process nodes, and the plurality of users include users corresponding to the one or more current process user sites;

acquiring a receiver selected in the current process task state diagram by a third collaborative authoring community user; and

initiating communication to the receiver, wherein the receiver comprises: one or more target user sites, and the one or more current process user sites include the one or more target user sites.

2. The method according to claim 1, wherein

each user comprises a user identifier;

each current process node comprises a node identifier; and

each current process user site comprises: a user identifier of a user corresponding to the current process user site and a node identifier of a current process node to which the current process user site belongs.

3. The method according to any one of claims 1, wherein the step of acquiring a receiver selected in the current process task state diagram by a third collaborative authoring community user comprises:

in response to a selection operation of selecting at least one current process node in the current process task state diagram by the third collaborative authoring community user, taking at least one current process user site associated with the selected at least one current process node as the receiver.

4. The method according to claim 3, wherein the step of, in response to a selection operation of selecting at least one current process node in the current process task state diagram by the third collaborative authoring community user, taking at least one current process user site associated with the selected at least one current process node as the receiver comprises:

in response to determining that the at least one current process node is selected in the current process task state diagram by the third collaborative authoring community user, acquiring all current process user sites associated with the selected at least one current process node; and

in response to determining that at least one current process user site is selected from all the associated current process user sites by the third collaborative authoring community user, taking the selected at least one current process user site as the receiver.

5. The method according to claim 3, wherein

when the current process node to which the target user site belongs comprises a subtask node, the step of, in response to a selection operation of selecting at least one current process node in the current process task state diagram by the third collaborative authoring community user, taking at least one current process user site associated with the selected at least one current process node as the receiver comprises:

in response to determining that a first subtask node is selected in the current process task state diagram by the third collaborative authoring community user, acquiring at least one communication action option associated with the first subtask node, wherein each communication action option corresponds to at least one subtask node; and

in response to determining that a first communication action option is selected from the at least one communication action option by the third collaborative authoring community user, taking a current process user site associated with a subtask node corresponding to the first communication action option as the receiver.

6. The method according to claim 5, wherein, in response to determining that the first communication action option is selected from the at least one communication action option by the third collaborative authoring community user, the method further comprises:

switching the subtask node corresponding to the first communication action option from a fifth scenario mode to a sixth scenario mode, so as to indicate that the subtask node corresponding to the first communication action option is currently in a selected state, wherein the sixth scenario mode is different from the fifth scenario mode.

7. The method according to claim 3, wherein

when the current process node to which the target user site belongs comprises an execution content node, the step of, in response to a selection operation of selecting at least one current process node in the current process task state diagram by the third collaborative authoring community user, taking at least one current process user site associated with the selected at least one current process node as the receiver comprises:

in response to determining that a first execution content node is selected in the current process task state diagram by the third collaborative authoring community user, acquiring at least one communication action option associated with the first execution content node, wherein each communication action option corresponds to at least one execution content node; and

in response to determining that a second communication action option is selected from the at least one communication action option by the third collaborative authoring community user, taking a current process user site associated with an execution content node corresponding to the second communication action option as the receiver.

8. The method according to claim 7, wherein, in response to determining that the second communication action option is selected from the at least one communication action option by the third collaborative authoring community user, the method further comprises:

switching the execution content node corresponding to the second communication action option from a seventh scenario mode to an eighth scenario mode, so as to indicate that the execution content node corresponding to the second communication action option is currently in a selected state, wherein the seventh scenario mode is different from the eighth scenario mode.

9. The method according to any one of claims 1, wherein

when the current process node to which the target user site belongs comprises a subtask

node, the step of acquiring a receiver selected in the current process task state diagram by a third collaborative authoring community user comprises:

in response to a selection operation of selecting a first subtask node in the current process task state diagram by the third collaborative authoring community user, taking the first subtask node and each execution content node possessed by the first subtask node as target nodes, and taking current process user sites associated with the target nodes as the receiver.

10. The method according to any one of claims 1, wherein

when the current process node to which the target user site belongs comprises a framework type subtask node, the step of acquiring a receiver selected in the current process task state diagram by a third collaborative authoring community user comprises:

in response to a selection operation of selecting a first framework type subtask node in the current process task state diagram by the third collaborative authoring community user, taking the first framework type subtask node, each execution content node possessed by the first framework type subtask node, and each subordinate subtask node possessed by each execution content node as target nodes, and taking current process user sites associated with the target nodes as the receiver.

11. The method according to any one of claims 1, wherein the step of acquiring a receiver selected in the current process task state diagram by a third collaborative authoring community user comprises:

in response to a selection operation of selecting at least one current process user site associated with any current process node in the current process task state diagram by the third collaborative authoring community user, taking the selected at least one current process user site as the receiver.

12. The method according to any one of claims 1, further comprising:

sending a user site corresponding to the third collaborative authoring community user to the receiver, wherein the user site corresponding to the third collaborative authoring community user comprises: a user identifier of the third collaborative authoring community user and a node identifier of a current process node to which the third collaborative authoring community user belongs in the current process task state diagram.

13. A method for releasing a collaborative authoring task in a collaborative authoring community, performed by an electronic device; wherein the collaborative authoring community comprises a plurality of users, and each of the users comprises a user identifier and user description information; and

the method comprises:

sending a third collaborative authoring task, wherein the third collaborative authoring task comprises a third process task state diagram, the third process task state diagram comprises one or more third process nodes and one or more third process user sites, the one or more third process user sites belong to the one or more third process nodes, and the plurality of users include users corresponding to the one or more third process user sites;

receiving second authoring information of a second author for the third collaborative authoring task, wherein the third collaborative authoring task comprises one or more subtasks, the second authoring information comprises a second execution content, the second execution content belongs to a target subtask in the one or more subtasks, and the target subtask is a subtask selected from the one or more subtasks by the second author; and

generating and releasing a fourth collaborative authoring task according to the second authoring information and the third collaborative authoring task, wherein the fourth collaborative authoring task comprises a fourth process task state diagram, the fourth process task state diagram comprises one or more fourth process nodes and one or more fourth process user sites, and the one or more fourth process user sites belong to the one or more fourth process nodes.

14. The method according to claim 13, wherein

the one or more fourth process nodes comprise the one or more third process nodes and a second execution content node corresponding to the second execution content; the one or more fourth process user sites comprise the one or more third process user sites and a user site corresponding to the second author; and the user site corresponding to the second author belongs to the second execution content node.

15. The method according to any one of claims 13, wherein

each third process node comprises a node identifier and each fourth process node comprises a node identifier;

each third process user site comprises: a user identifier of a user corresponding to the third process user site and a node identifier of a third process node to which the third process user site belongs; and

each fourth process user site comprises: a user identifier of a user corresponding to the fourth process user site and a node identifier of a fourth process node to which the fourth process user site belongs.

16. The method according to any one of claims 13, wherein the second execution content comprises one or more subordinate subtasks; the one or more fourth process nodes further comprise one or more subordinate subtask nodes corresponding to the one or more subordinate subtasks; and the fourth process task state diagram further comprises an association relation between the one or more subordinate subtask nodes and the one or more fourth process user sites.

17. The method according to claim 16, further comprising:

for at least one subordinate subtask node of the one or more subordinate subtask nodes, determining a fourth process user site associated with the at least one subordinate subtask node in at least one of the following ways:

determining the fourth process user site associated with the at least one subordinate subtask node by direct assigning;

determining the fourth process user site associated with the at least one subordinate subtask node by intelligent matching；

wherein each of the subordinate subtask nodes comprises subtask description information; and

the step of determining the fourth process user site associated with the at least one subordinate subtask node by intelligent matching comprises:

performing processing on each subordinate subtask node as follows:

matching the subtask description information of a subordinate subtask corresponding to the subordinate subtask node with the user description information of each of the plurality of users, so as to obtain at least one user having a highest-ranking matching degree; and

determining a fourth process user site associated with the subordinate subtask node according to the at least one user having a highest-ranking matching degree.

18. The method according to any one of claims 13, wherein the collaborative authoring community further comprises a current collaborative authoring task, and the current collaborative authoring task comprises a current process task state diagram;

before the step of generating and releasing a fourth collaborative authoring task according to the second authoring information and the third collaborative authoring task, the current collaborative authoring task is the third collaborative authoring task, the current process task state diagram is the third process task state diagram, a portion of subtask nodes of the one or more subtask nodes in the third process task state diagram are in an authorable state, the target subtask is a subtask corresponding to a subtask node selected by the second author from the portion of subtask nodes that are in the authorable state; and

after the step of generating and releasing a fourth collaborative authoring task according to the second authoring information and the third collaborative authoring task, the current collaborative authoring task becomes the fourth collaborative authoring task, and the current process task state diagram becomes the fourth process task state diagram.

19. The method according to claim 18, wherein

if the second authoring information is first authoring information, before the step of generating and releasing a fourth collaborative authoring task according to the second authoring information and the third collaborative authoring task, the current collaborative authoring task is a first collaborative authoring task, and the current process task state diagram is a first process task state diagram; a portion of subtask nodes of one or more subtask nodes in the first process task state diagram are in an authorable state; the target subtask is a subtask corresponding to a subtask node selected by a first author from the portion of subtask nodes that are in the authorable state; and the first collaborative authoring task is generated and released according to a preset collaborative authoring task and the user description information; and

after the step of generating and releasing a fourth collaborative authoring task according to the second authoring information and the third collaborative authoring task, the current collaborative authoring task becomes a second collaborative authoring task, and the current process task state diagram becomes a second process task state diagram.

20. An electronic device, comprising:

a memory configured to store executable instructions; and

a processor configured to execute the executable instructions stored in the memory, so as to implement the method for initiating communication in a collaborative authoring community according to any one of claims 1-12, or the method for releasing a collaborative authoring task in a collaborative authoring community according to any one of claims 13-19.