Claims

1. A data processing method for a warehousing logistics solution, performed by a terminal device of a system for processing a warehousing logistics solution, wherein the system for processing the warehousing logistics solution comprises the terminal device and a server, and the method comprises:

determining project information of a target project in response to an information input operation of a target user for the target project, wherein the target project is a warehousing logistics project, and the project information is configuration information associated with the warehousing logistics project;

sending the project information of the target project to the server;

receiving, from the server, a solution details interface for the target project, wherein the solution details interface comprises a display area for a reference warehousing logistics solution, the display area for the reference warehousing logistics solution is used for three-dimensionally displaying the reference warehousing logistics solution generated by the server for the target project, the reference warehousing logistics solution comprises a reference hardware solution and a reference software solution, the reference hardware solution is used for indicating a hardware device required when the target project is implemented according to the reference warehousing logistics solution, the hardware device comprises a warehousing robot, and the reference software solution comprises a software function for implementing a warehousing function based on the warehousing robot; and

displaying the solution details interface.

2. The method according to claim 1, wherein the determining project information of the target project in response to the information input operation of the target user for the target project comprises:

displaying an editable interface for the target project in response to an upload operation of the target user for an auxiliary design document of the target project, wherein the editable interface comprises a module placement area, a plurality of draggable modules, and a project information determining area, and the draggable module is used for indicating the hardware device;

updating the module placement area in response to a placement operation of the target user for one or more draggable modules in the plurality of draggable modules, and displaying an

updated module placement area, wherein the placement operation is an operation of dragging the one or more draggable modules into the module placement area; and

determining, in response to a user operation of the target user for the project information determining area, the project information of the target project based on the updated module placement area.

3. The method according to claim 2, wherein after the displaying the editable interface, the method further comprises:

displaying parameter information of a first draggable module in response to a user operation of the target user for the first draggable module, wherein the first draggable module is any one of the plurality of draggable modules; and

changing, in response to a change operation of the target user for the parameter information of the first draggable module, the first draggable module to a second draggable module, wherein the second draggable module is the first draggable module with the parameter information being changed.

4. The method according to claim 1, wherein the determining project information of the target project in response to the information input operation of the target user for the target project comprises:

displaying, in response to the information input operation of the target user for the target project in a project information input area on an information input interface, information input by the target user in the project information input area; and

determining, in response to a user operation of the target user for a project information determining area on the information input interface, the project information of the target project based on the information displayed in the project information input area.

5. The method according to claim 4, wherein the project information input area comprises a service field input area; and the determining project information of the target project in response to the information input operation of the target user for the target project comprises:

generating a first filtering instruction in response to the information input operation of the target user for a service field of the target project in the service field input area, wherein the first filtering instruction is used for indicating the server to filter a first solution set, and a solution in the first solution set is a solution conforming to the service field of the target project;

receiving the first solution set from the server, and displaying the solution in the first solution set on the information input interface;

marking, in response to a selection operation of the target user for one or more pieces of solution information in the first solution set, the one or more pieces of solution information as a selected state; and

determining, in response to the user operation of the target user for the project information determining area, the project information of the target project based on the solution information in the selected state on the information input interface.

6. The method according to claim 1, wherein the solution details interface comprises a solution modification area and a solution determining area; and after the reference warehousing logistics solution is displayed, the method further comprises:

generating a solution modification instruction if a user operation of the target user for the solution modification area is detected, and sending the solution modification instruction to the server, wherein the solution modification instruction is used for indicating the server to generate an updated solution details interface; and receiving the updated solution details interface from the server; and/or

generating a solution determining instruction if a user operation of the target user for the solution determining area is detected, and sending the solution determining instruction to the server, wherein the solution determining instruction is used for indicating the server to generate a target warehousing logistics solution based on the solution details interface currently displayed by the terminal device; and receiving a target simulation interface from the server, wherein the target simulation interface is generated based on the target warehousing logistics solution, the target simulation interface comprises a simulation animation playing area, the simulation animation playing area is used for playing a target simulation animation, and the target simulation animation is process images of running the target project according to the target warehousing logistics solution; and playing the target simulation animation in response to a user operation of the target user for the simulation animation playing area.

7. The method according to claim 6, wherein the playing speed of the target simulation animation is a 1X speed, and the target simulation interface further comprises a simulation interaction function area; and the method further comprises:

generating a simulation interaction request instruction in response to a user operation of the target user for the simulation interaction function area, wherein the simulation interaction request instruction is used for indicating the server to generate a target virtual three-dimensional scene for function interaction;

displaying the target virtual three-dimensional scene when the target virtual three-dimensional scene from the server is received; and

invoking a target software solution in the target virtual three-dimensional scene in response to a function interaction operation of the target user in the target virtual three-dimensional scene, to cause the warehousing robot to execute a warehousing logistics task in the target virtual three-dimensional scene based on a task instruction corresponding to the function interaction operation.

8. The method according to any one of claims 1 to 6, wherein the reference warehousing logistics solution is determined by the server to be a first warehousing logistics solution in historical warehousing logistics solutions, when the server detects that the first warehousing logistics solution exists in historical warehousing logistics solutions; or

the reference warehousing logistics solution is determined by a server according to a target shelving unit layout solution, and the target shelving unit layout solution is determined based on the project information, when the server detects that a first warehousing logistics solution does not exist in historical warehousing logistics solutions;

wherein solution information of the first warehousing logistics solution is same as the project information of the target project.

9. A data processing method for a warehousing logistics solution, performed by a server of a system for processing a warehousing logistics solution, wherein the system for processing a warehousing logistics solution comprises a terminal device and the server, and the method comprises:

receiving project information of a target project from the terminal device, wherein the target project is a warehousing logistics project, and the project information is configuration information associated with the warehousing logistics project;

determining a reference warehousing logistics solution for the target project based on the project information, wherein the reference warehousing logistics solution comprises a reference hardware solution and a reference software solution, the reference hardware solution is used for indicating a hardware device required when the target project is implemented according to the reference warehousing logistics solution, the hardware device comprises a warehousing robot, and the reference software solution comprises a software function for implementing a warehousing function based on the warehousing robot; and

sending a solution details interface for the target project to the terminal device, wherein the solution details interface comprises a display area for the reference warehousing logistics solution, and the display area for the reference warehousing logistics solution is used for three-dimensionally displaying the reference warehousing logistics solution.

10. The method according to claim 9, wherein the determining the reference warehousing logistics solution for the target project based on the project information comprises:

detecting whether a first warehousing logistics solution exists in historical warehousing logistics solutions, wherein solution information of the first warehousing logistics solution is the same as the project information of the target project; and

if the first warehousing logistics solution exists in the historical warehousing logistics solutions, determining that the first warehousing logistics solution is the reference warehousing logistics solution; or

if the first warehousing logistics solution does not exist in the historical warehousing logistics solutions, determining a target shelving unit layout solution based on the project information; and determining the reference warehousing logistics solution according to the target shelving unit layout solution.

11. A terminal device, comprising a processor, a memory, and one or more programs, wherein the one or more programs are stored in the memory and configured to be executed by the processor, and the programs comprise instructions used for performing the steps in the method according to any one of claims 1 to 8.

12. A server, comprising a processor, a memory, and one or more programs, wherein the one or more programs are stored in the memory and configured to be executed by the processor, and the programs comprise instructions used for performing the steps in the method according to any one of claims 9 to 10.

13. A computer-readable storage medium, storing a computer program/instructions, wherein the computer program/ instructions, when executed by a processor, implement the steps in the method according to any one of claims 1 to 10.

14. A computer program product, comprising a computer program, wherein the computer program, when executed by a processor, implements the steps in the method according to any one of claims 1 to 10.

15. A system for processing a warehousing logistics solution, comprising a terminal device and a server, wherein the terminal device is configured to perform the method according to any one

of claims 1 to 8, and the server is configured to perform the method according to any one of claims 9 to 10.