

[0009] A terminal device according to one aspect of the present invention is a terminal device configured to execute content programs transmitted from a Web server in a web browser, the terminal device including:

an operating system;

5 content display units constructed for each content program, the content display units each being configured to display a piece of content defined by a corresponding content program; and

a control unit that is controlled by a rendering engine of the web browser, includes a function group and is configured to control the operating system according

10 to an instruction from a corresponding content display unit,

wherein the control unit constructs a shared region by a function included in the function group using virtual memory of the operating system, and performs storage of data in the shared region or acquisition of data from the shared region according to an instruction from a corresponding content display unit, via the
15 operating system.

[0010] A data coordination method according to an aspect of the present invention is

a method for, in a terminal device including an operating system, content display units constructed for each content program transmitted from a Web server, the content display units each being configured to display a piece of content defined by a
20 corresponding content program, and a control unit that is controlled by a rendering engine of the web browser, includes a function group and is configured to control the operating system according to an instruction from a corresponding content display unit,

performing data coordination between the content display units, the method
25 including:

(a) a step in which the control unit constructs a shared region by a function included in the function group using virtual memory of the operating system; and

(b) a step in which the control unit performs storage of data in the shared

region or acquisition of data from the shared region by a function included in the function group, according to an instruction from a corresponding content display unit, via the operating system.

[0011] A computer-readable recording medium according to an aspect of the present invention is a computer-readable storage medium on which is recorded a program for, in a terminal device including an operating system, content display units constructed for each content program the content display units each being configured to display a piece of content defined by a corresponding content program, and a control unit that is controlled by a rendering engine of the web browser, includes a function group and is configured to control the operating system according to an instruction from a corresponding content display unit,

performing data coordination between the content display units, the recorded program including commands for causing the control unit to execute:

(a) a step of constructing a shared region by a function included in the function group using virtual memory of the operating system; and

(b) a step of performing storage of data in the shared region or acquisition of data from the shared region by a function included in the function group, according to an instruction from a corresponding content display unit, via the operating system.

Effects of the Invention

[0012] As described above, according to embodiments of the present invention, it is possible to suppress a decrease in security and enable data sharing between Web applications.

Brief Description of the Drawings

[0013]

FIG. 1 is a module configuration diagram showing a configuration of a

CLAIMS

1. A terminal device configured to execute content programs transmitted from a Web server in a web browser, the terminal device comprising:
- an operating system;
- 5 content display units constructed for each content program, the content display units each being configured to display a piece of content defined by a corresponding content program; and
- a control unit that is controlled by a rendering engine of the web browser, includes a function group and is configured to control the operating system according
- 10 to an instruction from a corresponding content display unit,
- wherein the control unit constructs a shared region by a function included in the function group using virtual memory of the operating system, and performs storage of data in the shared region or acquisition of data from the shared region according to an instruction from a corresponding content display unit, via the
- 15 operating system.
2. The terminal device according to claim 1, wherein
- if one content display unit performs an instruction to call another content display unit, the control unit causes the operating system to perform preparation
- 20 processing for causing the other content display unit to operate, and thereafter causes the other content display unit to operate.
3. A method for, in a terminal device including an operating system, content display units constructed for each content program transmitted from a Web server, the
- 25 content display units each being configured to display a piece of content defined by a

corresponding content program, and a control unit that is controlled by a rendering engine of the web browser, includes a function group and is configured to control the operating system according to an instruction from a corresponding content display unit,

performing data coordination between the content display units, the method comprising:

(a) a step in which the control unit constructs a shared region by a function included in the function group using virtual memory of the operating system; and

(b) a step in which the control unit performs storage of data in the shared region or acquisition of data from the shared region by a function included in the function group, according to an instruction from a corresponding content display unit, via the operating system.

4. The data coordination method according to claim 3, further comprising:

(c) a step in which, if one content display unit performs an instruction to call another content display unit, the control unit by a function included in the function group, causes the operating system to perform preparation processing for causing the other content display unit to operate, and thereafter causes the other content display unit to operate.

5. A computer-readable recording medium on which is recorded a program for, in a terminal device including an operating system, content display units constructed for each content program, the content display units each being configured to display a piece of content defined by a corresponding content program, and a control unit that is controlled by a rendering engine of the web browser, includes a function group and is configured to control the operating system according to an instruction from a corresponding content display unit,

performing data coordination between the content display units, the recorded program including commands for causing the control unit to execute:

(a) a step of constructing a shared region by a function included in the function group using virtual memory of the operating system; and

(b) a step of performing storage of data in the shared region or acquisition of

data from the shared region by a function included in the function group, according to an instruction from a corresponding content display unit, via the operating system.

6. The computer-readable recording medium program according to claim 5, for
5 further causing the control unit to execute, by a function included in the function group:

(c) a step of, if one content display unit performs an instruction to call another content display unit, causing the operating system to perform preparation processing for causing the other content display unit to operate, and thereafter causing the other
10 content display unit to operate.