Fig. 8 illustrates an example of a data element correspondence table stored in the display control apparatus 1 according to the second exemplary embodiment. As illustrated in Fig. 8, a data ID for identifying data, a data element ID for identifying a data element included in the data, a correspondence data ID for identifying data (correspondence data) including a data element corresponding to the data element, a correspondence data element ID for identifying the data element (a correspondence data element) corresponding to the data element are associated with one another and stored in the data element correspondence table. Correspondence data corresponding to data of a correspondence source (original data) may include a piece of data or a plurality of pieces of data, and may also include the original data therein.

[0058]

Next, an example of the flow of a display target data display process performed by the display control apparatus 1 will be explained with reference to Fig. 9.

[0059]

As illustrated in Fig. 9, the display control apparatus 1 acquires data to be a display target (display target data) in accordance with an operation input received by the input receiving unit 14 (S301). In addition, the display control apparatus 1 reads and acquires data indicating a

correspondence relationship between data elements and other data elements included in the display target data (a data element correspondence table) (S302), the other data elements corresponding to the respective data elements.

[0060]

The display control apparatus 1 displays, on the first display screen, a display portion determined in the display target data in accordance with an operation input received by the input receiving unit 14 (S303) and determines one or a plurality of data elements (a first data element group) displayed on the first display screen (S304). Here, a data element displayed on the first display screen may be a data element at least a portion of which is displayed or may also be a data element the entirety of which is displayed.

[0061]

The display control apparatus 1 determines one or a plurality of data elements (a second data element group) corresponding to the respective data elements included in the first data element group determined in S303, in accordance with the data element correspondence table determined for the display target data (S305). Then, the display control apparatus 1 acquires data on the data elements included in the second data element group determined in S205 (S306).

[0062]

The display control apparatus 1 displays a display image in which the data elements included in the second data element group acquired in S306 are arranged, on the second display screen (S307). Note that a process similar to the process in which chart objects are displayed on the second display screen in the first exemplary embodiment may be applied to the process in which the data elements included in the second data element group are displayed on the second display screen.

[0063]

In the case where a display change operation for changing display of the first display screen has been received by the input receiving unit 14 (S308: Y), the display control apparatus 1 updates a display portion of the display target data, the display portion being displayed on the first display screen, (S309) and the process returns to S303.

[0064]

In the case where a display change operation has not been received by the input receiving unit 14 (S308: N) and in the case where display of the display target data is not ended (S310: N), the process returns to S308. In the case where display of the display target data is ended (S310: Y), the display control apparatus 1 ends display of the display target data and completes the process.

CLAIMS

[Claim 1]

A display control apparatus comprising:

acquisition means that acquires document information including a main body and information on one or a plurality of charts;

first display control means that causes at least a portion of the main body included in the document information to be displayed on a first display screen; and

second display control means that causes, among the one or plurality of charts, a chart associated with the portion of the main body displayed on the first display screen to be displayed on a second display screen.

[Claim 2]

The display control apparatus according to Claim 1,further comprising:

means that associates, for sentence elements that constitute the main body, each sentence element with information on a chart associated with the sentence element and stores the sentence element and the information in storage means,

wherein the second display control means causes a chart to be displayed on the second display screen, the chart being associated with sentence elements that constitute the portion of the main body displayed on the first display screen and being stored in the storage means.

[Claim 3]

The display control apparatus according to Claim 1 or 2, further comprising:

determination means that determines an order in which charts associated with the sentence elements are displayed, in accordance with an order in which the sentence elements that constitute the portion of the main body displayed on the first display screen are displayed,

wherein the second display control means causes charts associated with the portion of the main body displayed on the first display screen to be displayed on the second display screen, in accordance with the order in which the charts are displayed, the order being determined by the determination means.

[Claim 4]

The display control apparatus according to any one of Claims 1 to 3, further comprising:

degree-of-attention determination means that determines degrees of attention of the charts associated with the sentence elements, in accordance with display positions of the sentence elements that constitute the portion of the main body displayed on the first display screen,

wherein the second display control means causes charts associated with the portion of the main body displayed on the first display screen to be displayed on the second display screen, in sizes corresponding to the degrees of attention of the charts determined by the degree-of-attention determination means.

[Claim 5]

The display control apparatus according to any one of Claims 1 to 4, further comprising:

maximum number determination means that determines a maximum number of charts to be displayed on the second display screen, in accordance with an update speed of the portion of the main body displayed on the first display screen,

wherein the second display control means narrows down charts associated with the portion of the main body displayed on the first display screen to the maximum number or less and causes resulting charts to be displayed on the second display screen.

[Claim 6]

The display control apparatus according to any one of Claims 1 to 4,

wherein charts associated with the portion of the main body displayed on the first display screen are displayed on the second display screen in a simplified manner when an update speed of the portion of the main body displayed on the first display screen is equal to or greater than a threshold value.

[Claim 7]

A program for causing a computer to function as:

acquisition means that acquires document information including a main body and information on one or a plurality of charts;

first display control means that causes at least a portion of the main body included in the document information to be displayed on a first display screen; and

second display control means that causes, among the one or plurality of charts, a chart associated with the portion of the main body displayed on the first display screen to be displayed on a second display screen.