
What is claimed is:

1. An information processing method for processing elements in a form, the form being a digitized image, in the form, the data type or content of each element located in the same column is the same, a pixel height of each element located in the same row is the same, and a pixel width of each element located in the same column is the same, the elements in the form arranged in N columns, wherein the element is one piece of data, N is an integer greater than 1, the information processing method comprising:

respectively determining a position area of each column in the form;

respectively determining a position area of a positioning element of each column in the form, wherein the positioning element of a n^{th} column is an uppermost side element among the elements necessary to be entered in the n^{th} column, wherein $n=1, 2, \dots, N$;

determining a number of elements contained in each column of the form;

respectively determining a position area of each element in the form by using the position area of each column in the form, the position area of the positioning element of each column in the form and the number of elements contained in each column;

obtaining a plurality of slice images by performing slice processing on the form according to the position area of each element in the form, wherein each slice image contains one element, a number of the slice images obtained by the slice processing being consistent with that of the elements contained in the form;

performing an optical character recognition on the slice images respectively by column to obtain a character string contained in the slice image; and

recording the obtained character string according to a preset rule.

2. The method according to claim 1, wherein the performing the optical character recognition on the slice images respectively is specifically to:

perform the optical character recognition on the slice images located in the same column one by one, and then perform the optical character recognition on the slice

images located in another column one by one, until the optical character recognition is performed on all the slice images located in each column;

wherein the slice images located in the n^{th} column is obtained by performing the slice processing on the n^{th} column of the form.

3. The method according to claim 1 or 2, further comprising:

displaying an element input box corresponding to a first slice image, wherein the first slice image is a slice image currently in an entering state;

receiving a character string inputted by a user in the element input box; comparing the character string inputted by the user with that generated by performing the optical character recognition on the first slice image, and issuing a prompt in case of inconsistency of both.

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

adjusting a display effect of the first slice image such that the display effect of the first slice image is different from that of other slice images after the displaying the element input box corresponding to the first slice image.

5. The method according to claim 4, further comprising:

receiving a zoom instruction inputted by the user, and performing a corresponding zoom processing on the first slice image in response to the zoom instruction.

6. The method according to claim 1, wherein

the position area of the n^{th} column in the form is demarcated by a manner of (a first coordinate value, a second coordinate value, a third coordinate value, a fourth coordinate value), wherein the first coordinate value is a distance between a left side of the n^{th} column and a left side of the form, the second coordinate value is a distance between a top end of the n^{th} column and an upper side of the form, the third coordinate value is a distance between a right side of the n^{th} column and the left side of the form, and the fourth coordinate value is a distance between a bottom end of the n^{th} column and the upper side of the form; and

the position area of the positioning element of the n^{th} column in the form is

demarcated by a manner of (a fifth coordinate value, a sixth coordinate value, a seventh coordinate value, an eighth coordinate value), wherein the fifth coordinate value is a distance between a left side of a cell where the positioning element of the n^{th} column is located and the left side of the form, the sixth coordinate value is a distance between a top end of the cell where the positioning element of the n^{th} column is located and the upper side of the form, the seventh coordinate value is a distance between a right side of the cell where the positioning element of the n^{th} column is located and the left side of the form, and the eighth coordinate value is a distance between a bottom end of the cell where the positioning element of the n^{th} column is located and the upper side of the form.

7. An information processing device for processing elements in a form, the form being a digitized image, in the form, the data type or content of each element located in the same column is the same, a pixel height of each element located in the same row is the same, and a pixel width of each element located in the same column is the same, the elements in the form arranged in N columns, wherein the element is one piece of data, N is an integer greater than 1, the information processing device comprising:

a column position area determining unit for respectively determining a position area of each column in the form;

a positioning element position area determining unit for respectively determining a position area of a positioning element of each column in the form, wherein the positioning element of a n^{th} column is an uppermost side element among the elements necessary to be entered in the n^{th} column, wherein $n=1, 2, \dots, N$;

an element number determining unit for determining a number of elements contained in each column of the form;

an element position area determining unit for respectively determining a position area of each element in the form by using the position area of each column in the form, the position area of the positioning elements of each column in the form and the number of elements contained in each column;

an image processing unit for obtaining a plurality of slice images by performing slice processing on the form according to the position area of each element in the form, wherein each slice image contains one element, a number of the slice images obtained by the slice processing being consistent with that of the elements contained in the form;

a character recognizing unit for performing an optical character recognition on the slice images respectively by column to obtain a character string contained in the slice image; and

a storing unit for recording the obtained character string according to a preset rule.

8. The information processing device according to claim 7, wherein the character recognizing unit is specifically configured to:

perform the optical character recognition on the slice images located in the same column one by one, and then perform the optical character recognition on the slice images located in another column one by one, until the optical character recognition is performed on all the slice images located in each column;

wherein the slice images located in the n^{th} column is obtained by performing the slice processing on the n^{th} column of the form.

9. The information processing device according to claim 7 or 8, further comprising:

a control unit for controlling a display interface to display an element input box corresponding to a first slice image, wherein the first slice image is a slice image currently in an entering state;

a first processing unit for receiving a character string inputted by a user in the element input box, comparing the character string inputted by the user with that generated by performing the optical character recognition on the first slice image, and issuing a prompt in case of inconsistency of both.

10. The information processing device according to claim 9, further comprising a second processing unit for adjusting a display effect of the first slice image such that

the display effect of the first slice image is different from that of other slice images after the display interface displaying the element input box corresponding to the first slice image.

11. The information processing device according to claim 10, further comprising a third processing unit for receiving a zoom instruction inputted by the user, and performing a corresponding zoom processing on the first slice image in response to the zoom instruction.