[DESCRIPTION]

[Title of Invention]

INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND STORAGE MEDIUM

[Technical Field]

[0001]

The present invention relates to an information processing apparatus, an information processing method, and a storage medium.

[Background Art]

[0002]

Patent Literature 1 discloses a ticketless boarding system to perform procedures through face authentication at a plurality of check points (a check-in lobby, a security inspection site, a boarding gate, and the like) by using biometric information on a passenger (face image).

[Citation List]

[Patent Literature]

[0003]

PTL 1: Japanese Patent Application Laid-Open No. 2007-79656

SUMMARY

[0004]

In the boarding system using biometric authentication as disclosed in Patent Literature 1, a user may try to pass through a boarding gate that is different from an available boarding gate. In such a case, passage by the user will be refused. In the current system, however, it is difficult for the user on refusal of passage at a certain boarding gate to quickly determine which boarding gate to go to out of a number of boarding gates.

[0005]

Accordingly, in view of the problem described above, the present disclosure intends to provide an information processing apparatus, an information

processing method, and a storage medium that can guide a user to the appropriate boarding gate.

[0006]

In one aspect, provided is an information processing apparatus including: a matching means for having a first mode to match biometric information on a user acquired at a first gate of a plurality of boarding gates with a first group of registered biometric information on an expected passenger related to the first gate and a second mode to match the biometric information with a second group of registered biometric information on all expected passengers related to the plurality of boarding gates; and a control means for, when a matching result in the first mode is that the matching is successful, permits the user to pass through the first gate, and when a matching result in the second mode is that the matching is successful, outputting guide information that guides the user to a second gate associated with registered biometric information which successfully matches the biometric information out of the second group of registered biometric information.

[0007]

In another aspect, provided is an information processing method including: performing a first mode to match biometric information on a user acquired at a first gate of a plurality of boarding gates with a first group of registered biometric information on an expected passenger related to the first gate; performing a second mode to match the biometric information with a second group of registered biometric information on all expected passengers related to the plurality of boarding gates; and when a matching result in the first mode is that the matching is successful, permitting the user to pass through the
first gate, and when a matching result in the second mode is that the

matching is successful, outputting guide information that guides the user to a second gate associated with registered biometric information which successfully matches the biometric information out of the second group of registered biometric information.

[0008]

In another aspect, provided is a storage medium storing a program that causes a computer to perform: performing a first mode to match biometric information on a user acquired at a first gate of a plurality of boarding gates with a first group of registered biometric information on an expected passenger related to the first gate; performing a second mode to match the biometric information with a second group of registered biometric information on all expected passengers related to the plurality of boarding gates; and when a matching result in the first mode is that the matching is successful, permitting the user to pass through the first gate, and when a matching result in the second mode is that the matching is successful, outputting guide information that guides the user to a second gate associated with registered biometric information which successfully matches the biometric information out of the second group of registered biometric information.

[0009]

In another aspect, provided is an information processing apparatus including: a matching means for matching biometric information on a user acquired by a display terminal with registered biometric information related to a person boarding a vehicle from a boarding gate; and a control means for causing the display terminal to display information indicating a change of the boarding gate when change information on the boarding gate is associated with the registered biometric information with which a result of matching of the biometric information is that the matching is

successful.

[0010]

According to the present disclosure, it is possible to provide an information processing apparatus, an information processing method, and a storage medium that can guide a user to the appropriate boarding gate.

[Brief Description of Drawings]

[0011]

[Fig. 1]

Fig. 1 is a schematic diagram illustrating an example of an overall configuration of an information processing system according to a first example embodiment.

[Fig. 2]

Fig. 2 is a diagram illustrating an example of information stored in a boarding reservation information DB according to the first example embodiment.

[Fig. 3]

Fig. 3 is a diagram illustrating an example of information stored in a user information DB according to the first example embodiment.

[Fig. 4]

Fig. 4 is a diagram illustrating an example of information stored in a sorted-by-day passenger information DB according to the first example embodiment.

[Fig. 5]

Fig. 5 is a diagram illustrating an example of information stored in a sorted-by-gate passenger information DB according to the first example embodiment.

[Fig. 6]

Fig. 6 is a block diagram illustrating an example of a hardware configuration of a management server according to the first example embodiment.

[Fig. 7]