Claims

1. A method implemented by one or more computing devices, the method comprising:

receiving a request to set a password protection question for a password, the request comprising a user identifier;

retrieving one or more pieces of setting information corresponding to the user identifier;

individually acquiring one or more password protection questions that match the one or more pieces of setting information, the one or more password protection questions not having corresponding answers set thereto; and

outputting the one or more password protection questions prior to the one or more password protection questions having corresponding answers set thereto;

wherein individually acquiring the one or more password protection questions that match the one or more pieces of setting information comprises generating the one or more password protection questions by adding information to the one or more pieces of setting information.

2. The method of claim 1, wherein the setting information comprises preference information, and wherein the setting information is acquired by:

acquiring behavior information corresponding to the user identifier; and

learning the preference information from the behavior information.

3. The method of claim 1, wherein retrieving the one or more pieces of setting information corresponding to the user identifier comprise retrieving one or more pieces of preset setting information corresponding to the user identifier from a preset database.

4. The method of claim 1, wherein individually acquiring the one or more password protection questions that match the one or more pieces of setting information comprises searching a preset question bank for one or more password protection questions comprising the one or more pieces of setting information.

5. The method of claim 1, wherein individually acquiring the one or more password protection questions that match the one or more pieces of setting information further comprises:

searching a preset question bank for one or more password protection questions with respective semantic meanings being identical to the one or more pieces of setting information, wherein each protection question has corresponding category information; and

separately determining whether the one or more pieces of setting information match the category information; and extracting the password protection questions if affirmative.

6. The method of claim 1, further comprising:

receiving one or more first answers for the one or more password protection questions; and

establishing respective association relationships between the one or more password protection questions and the one or more first answers.

7. The method of claim 6, further comprising:

outputting the one or more password protection questions corresponding to the password in response to receiving a modification request for the password;

receiving one or more second answers for the one or more password protection questions; and

configuring a permission of modifying the password in response to the one or more second answers being identical to the one or more first answers associated with the one or more password protection questions.

8. An apparatus comprising:

one or more processors;

memory;

a set request receiving instruction stored in the memory and executable by the one or more processors to receive a request to set a password protection question for a password, the request comprising a user identifier;

a setting information extraction instruction stored in the memory and executable by the one or more processors to retrieve one or more pieces of setting information corresponding to the user identifier;

a password protection question acquisition instruction stored in the memory and executable by the one or more processors to individually acquire one or more password protection questions that match the one or more pieces of setting information, the one or more password protection questions not having corresponding answers set thereto; and

a first password protection question output instruction stored in the memory and executable by the one or more processors to output the one or more password protection questions prior to the one or more password protection questions having corresponding answers set thereto;

wherein the password protection question acquisition instruction comprises a password protection question generation sub-instruction stored in the memory and executable by the one or more processors to generate one or more password protection questions by adding information to the one or more pieces of setting information.

9. The apparatus of claim 8, wherein the setting information comprises preference information, and wherein the setting information is obtained by:

acquiring behavior information corresponding to the user identifier; and

learning the preference information from the behavior information.

10. The apparatus of claim 8, wherein the setting information extraction instruction comprises a database extraction sub-instruction stored in the memory and executable by the one or more processors to retrieve one or more pieces of preset setting information corresponding to the user identifier from a preset database.

11. The apparatus of claim 8, wherein the password protection question acquisition instruction comprises a first search sub-instruction stored in the memory and executable by the one or more processors to search a preset question bank for one or more password protection questions comprising the one or more pieces of setting information.

12. The apparatus of claim 8, wherein the password protection question acquisition module comprises:

a second search sub-instruction stored in the memory and executable by the one or more processors to search a preset question bank for one or more password protection questions with respective semantic meanings being identical to the one or more pieces of setting information, wherein each protection question has corresponding category information;

a matching determination sub-instruction stored in the memory and executable by the one or more processors to separately determine whether the one or more pieces of setting information match the category information, and invoke a password protection question extraction sub-module if affirmative; and

a password protection question extraction sub-instruction stored in the memory and executable by the one or more processors to retrieve the password protection questions.

13. The apparatus of claim 8, further comprising:

a first answer receiving instruction stored in the memory and executable by the one or more processors to receive one or more first answers for the one or more password protection questions; and

an association relationship establishment instruction stored in the memory and executable by the one or more processors to establish respective association relationships between the one or more password protection questions and the one or more first answers.

14. The apparatus of claim 13, further comprising:

a second password protection question output instruction stored in the memory and executable by the one or more processors to output the one or more password protection questions corresponding to the password in response to receiving a modification request for the password is received;

a second answer receiving instruction stored in the memory and executable by the one or more processors to receive one or more second answers for the one or more password protection questions; and

a permission configuration instruction stored in the memory and executable by the one or more processors to set up a permission of modifying the password in response to the one or more second answers being identical to the one or more first answers associated with the one or more password protection questions.

15. One or more computer-readable media storing executable instructions that, when executed by one or more processors, cause the one or more processors to perform acts comprising:

receiving a request to set a password protection question for a password, the request comprising a user identifier;

retrieving one or more pieces of setting information corresponding to the user identifier;

individually acquiring one or more password protection questions that match the one or more pieces of setting information, the one or more password protection questions not having corresponding answers set thereto; and

outputting the one or more password protection questions prior to the one or more password protection questions having corresponding answers set thereto;

wherein individually acquiring the one or more password protection questions that match the one or more pieces of setting information comprises generating the one or more

password protection questions by adding information to the one or more pieces of setting information.

16. The one or more computer-readable media of claim 15, wherein the setting information comprises preference information, and wherein the setting information is acquired by:

acquiring behavior information corresponding to the user identifier; and

learning the preference information from the behavior information.

17. The one or more computer-readable media of claim 15, wherein individually acquiring the one or more password protection questions that match the one or more pieces of setting information comprises at least one of:

searching a preset question bank for a password protection question including at least one of the one or more pieces of setting information; or

searching the preset question bank for a password protection question having a semantic meaning being identical to any one of the one or more pieces of setting information.

18. The one or more computer-readable media of claim 15, the acts further comprising:

receiving one or more first answers for the one or more password protection questions; and

establishing respective association relationships between the one or more password protection questions and the one or more first answers.