

CLAIMS

1. A website login method, wherein the method is used for logging in to a second website through a first website through password-free proxy, the method comprising:

in response to receiving a website jump trigger at the first website, obtaining a first token stored in cookies of a browser that the first website runs on, wherein the first token comprises a website identifier of a second website on a second website list page indicated by the website jump trigger, and a device fingerprint used to indicate where password-free proxy login is set for the second website;

determining, by the first website and based on the device fingerprint, whether a current running environment is the same as the running environment where password-free proxy login is set for the second website or not;

in response to determining that a current running environment is the same as the running environment where password-free proxy login is set for the second website, obtaining, by the first website, a second token that corresponds to the first token, wherein the second token is an access token indicating that the second website grants password-free login permission after user login succeeds;

sending, by the first website based on the website identifier in the first token, a password-free login request comprising a third token to the second website that corresponds to the website identifier, wherein the third token comprises the second token; and

logging in to the second website without a password when the second website successfully verifies the second token.

2. The method according to claim 1, wherein the method further comprises:

receiving, by the first website, a password-free proxy login setting request sent by the second website, wherein the password-free proxy login setting request comprises the second token;

creating, by the first website, the first token comprising the device fingerprint;

storing the first token in the cookies of the browser website;

storing a correspondence between the first token and the second token; and

notifying the second website that password-free proxy login is successfully set.

3. The method according to claim 1, wherein the method further comprises:
 - after the second website is logged in to through the first website without a password, displaying a logged-in page of the second website in an embedded page form;
 - when the cookies of the browser store a plurality of first tokens that separately correspond to different second websites, displaying, on the same page as the embedded page by the first website based on website identifiers in the first tokens, another second website that has enabled password-free proxy login through the first website; and
 - if the first website detects that a user selects the another second website, sending a password-free login request to the another second website, and adding a second token that corresponds to a first token of the another second website to the third token.
4. The method according to claim 3, wherein the method further comprises:
 - if the cookies of the browser store a plurality of first tokens that separately correspond to different second websites, in response to the first website receiving the website jump trigger, selecting one of the second websites based on a predetermined selection rule, to perform password-free proxy login.
5. The method according to claim 1, wherein the method further comprises:
 - receiving, by the first website, a password-free proxy login cancellation request sent by the second website, wherein the password-free proxy login cancellation request comprises the third token, the third token is an indication created by the second website for canceling password-free proxy login, and the third token comprises the website identifier of the second website;
 - obtaining, by the first website based on the website identifier in the third token, the first token comprising the second website; and
 - deleting the first token and the second token that corresponds to the first token.
6. The method according to any one of claims 1 to 5, wherein:
 - the first website is a shopping website, and the second website is a payment website; or
 - the first website is a payment website, and the second website is another payment website linked to the payment website.

7. The method according to any one of claims 1 to 6, wherein the method further comprises:
displaying, by the first website, the website jump trigger on a page, wherein the website jump trigger is used to, when selected, trigger the first website to jump to a website list page comprising a plurality of second websites to be selected; and
in response to user selection of the website jump trigger, jumping, by the first website, to a logged-in page that displays one of the plurality of second websites on the website list page.
8. The method according to claim 7, wherein the second website is displayed on the first website in an embedded page form, the logged-in page of the second website displays an indication indicating that password-free proxy login has been enabled, and the method further comprises:
further displaying, by the first website, another second website that has enabled password-free proxy login; and
in response to user selection of the another second website, switching, by the first website, to a logged-in page of the another second website in a location of the embedded page.
9. The method according to claim 7, wherein the second website is further linked to a plurality of third websites to be selected, and the method further comprises:
in response to user selection of the website jump trigger, displaying, by the first website, a logged-in page of a third website linked to one of the plurality of second websites.
10. A website login method, wherein the method is used for password-free login of a second website through a first website, and the method comprises:
receiving, by the second website, login information for requesting login and a password-free login setting request indication;
creating, by the second website, a second token based on the indication after verification of the login information succeeds, wherein the second token is an access token indicating that the second website grants password-free login permission after user login succeeds [claim 10];
sending a password-free proxy login setting request comprising the second token to the first website, wherein the first website creates, based on the password-free proxy login setting request, a first token comprising a device fingerprint, and stores a correspondence between the

first token and the second token;

receiving, by the second website, a notification sent by the first website indicating that password-free proxy login is successfully set, and displaying that password-free proxy login has been enabled on a logged-in page of the second website [claim 11];

receiving, by the second website, a password-free login request sent by the first website, wherein the password-free login request comprises a third token, the third token comprises the second token; and

when the second website successfully verifies the second token, performing password-free login.

11. The method according to claim 10, wherein the method further comprises:

further displaying, on the logged-in page after the second website is logged in to without a password, an option that can be selected by a user for exiting password-free proxy login;

when receiving a trigger to the option of exiting password-free proxy login, creating, by the second website, a fourth token used to instruct to cancel password-free proxy login, wherein the fourth token comprises a website identifier of the second website; and

sending, by the second website, a password-free proxy login cancellation request comprising the fourth token to the first website, so that the first website cancels password-free proxy login of the second website based on the fourth token.

12. The method according to claim 10, wherein the second website is further linked to a plurality of third websites to be selected, and the method further comprises:

after the second website is logged in to without a password, obtaining a fifth token stored in cookies of a browser that the second website runs on, wherein the fifth token comprises a website identifier of one of the third websites and a device fingerprint used to indicate a running environment where password-free proxy login is set for the third website;

determining, based on the device fingerprint, whether a current running environment is the same as the running environment where password-free proxy login is set for the third website or not;

in response to determining that a current running environment is the same as the running environment where password-free proxy login is set for the third website, obtaining, by the second

website, a sixth token that corresponds to the fifth token, wherein the sixth token is an access token indicating that the third website grants password-free login permission after user login succeeds;

sending, by the second website based on the website identifier in the fifth token, a password-free login request comprising the sixth token to the third website that corresponds to the website identifier; and

logging in to the third website without a password after the third website successfully verifies the sixth token.

13. A website login apparatus, wherein the apparatus is applied to a first website, so as to log in to a second website through the first website through password-free proxy, and the apparatus comprises multiple modules configured to perform operations according to the method of any one of claims 1 to 9.

14. A website login apparatus, wherein the apparatus is applied to a second website, so as to log in to the second website through a first website through password-free proxy, and the apparatus comprises multiple modules configured to perform operations according to any one of claims 10 to 12.