

CLAIMS

What is claimed is:

1. A method for processing a short link, the method comprising:
receiving a short link access request from a requester, wherein the access request comprises a first short link URL (210);
extracting a first simplified short link and a first specified URL code from the first short link URL (220); and
obtaining a corresponding specified URL based on the first specified URL code (230); and
jumping to the specified URL, if the first simplified short link is not found in a database or when a validity period of the found first simplified short link has expired (230).
2. The method according to claim 1, wherein the method further comprises:
configuring at least one specified URL code and a specified URL that corresponds to each different specified URL code (310);
generating a specified mapping relationship between the specified URL code and the specified URL (320); and
storing the specified mapping relationship in a mapping database (330).
3. The method according to claim 2, wherein obtaining the corresponding specified URL based on the first specified URL code, and jumping to the specified URL comprises:
determining whether the first specified URL code is null (410); and
obtaining the specified URL that corresponds to the first specified URL code from the mapping data, and jumping to the specified URL if the first specified URL code is not null (420).
4. The method according to claim 3, wherein after determining whether the first specified URL code is null, the method further comprises:
obtaining a predetermined URL, and jumping to the predetermined URL if the first specified URL code is null (430).

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

obtaining a first long link URL that corresponds to the first simplified short link from the database, and jumping to the first long link URL, if the first simplified short link is found in the database and the validity period of the first simplified short link does not expire.

6. The method according to any one of claims 1 to 5, wherein the method further comprises:

receiving a short link application request from the requester, wherein the application request comprises a second long link URL and a second specified URL code (510);

generating a corresponding second simplified short link based on the second long link URL (520); and

forming a second short link URL based on the second simplified short link and the second specified URL code, and sending the second short link URL to the requester (530).

7. The method according to claim 6, wherein generating a corresponding second simplified short link based on the second long link URL comprises:

generating a random simplified short link with a specified number of brevity code digits based on the second long link URL;

determining whether the random simplified short link is found in the database; and

in response to determining that the random simplified short link is not found in the database, determining the random simplified short link as the second simplified short link.

8. The method according to claim 6, wherein the generating a corresponding second simplified short link based on the second long link URL comprises:

generating a random simplified short link with a specified number of brevity code digits based on the second long link URL; determining whether the random simplified short link is found in the database; and

in response to determining that the random simplified short link is found in the database, generating another random simplified short link until the another random simplified short link is not found in the database, and determining, as the second simplified short link, the another random

simplified short link that is not found.

9. The method according to claim 7, wherein the application request further comprises a specified validity period of the short link, and the method further comprises:

storing the second simplified short link in the database, and setting a validity period of the second simplified short link to the specified validity period.

10. The method according to claim 6, wherein forming the second short link URL based on the second simplified short link and the second specified URL code comprises:

forming a third short link URL based on the second simplified short link (610);

determining whether the second specified URL code is null (620); and

in response to determining that the second specified URL code is null, determining the third short link URL as the second short link URL (630).

11. The method according to claim 6, wherein forming the second short link URL based on the second simplified short link and the second specified URL code comprises:

forming a third short link URL based on the second simplified short link (610);

determining whether the second specified URL code is null (620); and

in response to determining that the second specified URL code is not null, adding the second specified URL code to a specified location of the third short link URL, and determining, as the second short link URL, a short link URL obtained after addition (640).

12. The method according to claim 9, wherein adding the second specified URL code to a specified location of the third short link URL comprises:

adding the second specified URL code to an end of the second simplified short link in the third short link URL, and adding a separator between the second simplified short link and the second specified URL code.

13. An apparatus for processing a short link, the apparatus comprising a plurality of modules configured to perform the method of any one of claims 1 to 12.