Claims

1. A computer-implemented system for managing application programming interface (API) information, the system comprising:

at least one processor;

an API database storing data associated with APIs, each API being associated with at least one of a plurality of computer systems, each of the computer systems being connectable with other ones of the computing systems through the respective APIs; and

at least one memory containing instructions that, when executed by the at least one processor, cause the processor to perform operations comprising:

receiving an input from a user device associated with a first computer system, the input not including an identity of a second computer system;

excluding APIs associated with computer systems that are inaccessible to a user of the user device based on a user's permission level;

determining a target API based on the input, the target API being the second computer system's API;

determining whether a user of the user device has access to the target API;

if it is determined that the user has access to the target API, retrieving documentation of the target API from the API database;

providing the user device with the retrieved documentation of the target API;

generating first source code associated with the target API for the user; and

generating supplemental source code associated with at least one API different from the target API, the supplemental source code being added to the first source code, the at least one API different from the target API being determined by the computer-implemented system based on a record of using the at least one API different from the target API with the target API.

2. The computer-implemented system of claim 1, wherein the input comprises at least one condition used to sort APIs.

3. The computer-implemented system of claim 1, wherein:

the API database stores search history; and

the operations further comprise recording the input of the user in the search history.

4. The computer-implemented system of claim 2, wherein determining the target API comprises determining which of the APIs in the API database satisfy the at least one condition used to sort APIs.

5. The computer-implemented system of claim 4, wherein determining which of the APIs satisfy the at least one condition comprises at least one of:

determining based on the user selecting the target API from the APIs satisfying the input;

determining based on records of using the APIs satisfying the input; or

determining based on the search history.

6. The computer-implemented system of claim 1, wherein determining whether the user of the user device has access to the target API includes determining, from data associated with the target API stored in the API database, that the target API is open for all users or is open for the user.

7. The computer-implemented system of claim 1, wherein determining whether the user of the user device has access to the target API comprises communicating with the target API to determine user permission.

8. The computer-implemented system of claim 1, wherein the operations further comprise providing the user device with the first source code.

9. The computer-implemented system of claim 1, wherein generating the first source code further comprises:

determining a part of the target API based on the user input; and

generating the first source code associated with the part of the target API.

10. The computer-implemented system of claim 9, wherein determining the part of the target API is further based on a selection by the user of the part of the target API.

11. The computer-implemented system of claim 9, wherein determining the part of the target API is further based on at least one of:

a selection of the part of the target API, the selection being added to a record of using the target API, the record being stored in the API database;

a record of using the target API by the user; or

records of using the target API by a plurality of users.

12. The computer-implemented system of claim 1, wherein the at least one API different from the target API is further determined by at least one of:

data associated with the target API; or

the documentation associated with the target API.

13. The computer-implemented system of claim 1, wherein the operations further comprise:

providing the user device with a list of APIs in the API database based on input.

14. A computer-implemented method for managing API data associated with APIs, stored in an API database, each API being associated with at least one of a plurality of computer systems, the method comprising:

receiving an input from a user device associated with a first computer system, the input not including an identity of a second computer system;

excluding APIs associated with computer systems that are inaccessible to a user of the user device based on a user's permission level;

determining a target API based on the input, the target API being the second computer system's API;

determining that a user of the user device has access to the target API;

if it is determined that the user has access to the target API, retrieving documentation of the target API from the API database;

providing the user device with the retrieved documentation of the target API;

generating first source code associated with the target API for the user; and

generating supplemental source code associated with at least one API different from the target API, the supplemental source code being added to the first source code, the at least one API different from the target API being determined by the computer-implemented system based on a record of using the at least one API different from the target API with the target API.

15. The computer-implemented method of claim 14, wherein the method further comprises providing the user device with the first source code.

16. The computer-implemented method of claim 14, wherein the method further comprises:

receiving a request to register an API of one of the computer systems in the API database;

receiving data associated with the API in the request and storing the received data in the API database; and

generating documentation associated with the API based on the request and storing the documentation in the API database.

17. The computer-implemented method of claim 14, wherein the method further comprises:

receiving a request to update data or documentation of one of the APIs stored in the API database;

updating the data or documentations of the API based on the request; and

sending a notice to user devices associated with the computer systems.

18. The computer-implemented method of claim 14, wherein the method further comprises:

if it is determined that the user does not have access to the target API, instructing the user to send a request to at least one of the target API or the second computer system.

19. A computer-implemented system for managing application programming interface (API) information, the system comprising:

at least one processor;

an API database storing data associated with APIs, each API being associated with at least one of a plurality of computer systems, each of the computer systems being connectable with other ones of the computing systems through the respective APIs; and

at least one memory containing instructions that, when executed by the at least one processor, cause the processor to perform operations comprising:

receiving an input from a user device associated with a first computer system, the input not including an identity of a second computer system;

excluding APIs associated with computer systems that are inaccessible to a user of the user device based on a user's permission level;

determining a target API based on the input, the target API being the second computer system's API;

determining whether a user of the user device has access to the target API;

if it is determined that the user has access to the target API, retrieving documentation of the target API from the API database;

providing the user device with the retrieved documentation of the target API;

receiving a request to register an API of one of the computer systems in the API database;

storing data associated with the API in the API database;

generating documentation associated with the API based on the request and storing the documentation in the database;

receiving a request to update data or documentation of one of the APIs stored in the API database;

updating the data or documentation of the API based on the request;

in response to the request, sending a notification to user devices associated with the computer systems;

generating first source code associated with the target API for the user; and

generating supplemental source code associated with at least one API different from the target API, the supplemental source code being added to the first source code, the at least one API different from the target API being determined by the computer-implemented system based on a record of using the at least one API different from the target API with the target API.