Magic The Gathering WebList API Documentation

1. Introduction

This API is specifically designed for Magic the Gathering Players/Collectors. It was developed using C++ and linked list data structures. It allows users to create and manage a linked list of MTG websites, adding and removing sites as necessary. This program has easy to use navigation and a simple command-line interface.

2. Program Audience

This API will be primarily used by MTG players for starting a database of MTG sites. Secondly, it can be used by developers who need to manage collections of website URLs. Since the code is written in C++, is open source, it’s easily modifiable.

3. Understanding the API

Users can examine the source code on <https://github.com/daveuat/MTG_Database> to their heart’s content. They can further advance it by forking it to their GitHub and then expanding it from there.

4. Program Functions

Display the Linked List

Users can use the displayList() function to view the entire linked list of websites that are saved so far.

Navigation (Forward and Backward)

The goForward() and goBackward() functions are used to navigate through the list in the direction shown. It will display the current webpage to the user 1 at a time.

Add/Delete Websites

Users can add a new website to the end of the list with the addWebsite() function. Also they can delete a website with the deleteWebsite() function.

Search

User can use the findWebsite() function to search for ONLY a specific website in the list.

5. Some Code Samples

Here is a basic usage example from the program that demonstrates how to add and display websites in a linked list:

WebList webList;

webList.addWebsite("https://some-magic-tcg-site.com");

webList.displayList(); // Outputs: https://some-magic-tcg-site.com -> End of the list.

6. Error Messages and Status Codes

This program displays basic error messages when an operation fails, such as trying to navigate past the end of the list, or trying to delete a website that is not in the list.

7. References

Logo generation: <https://patorjk.com/software/taag/#p=display&f=Graffiti&t=>

API Documentation Guide: <https://document360.com/blog/api-documentation/#:~:text=API%20documentation%20is%20a%20set,functions%2C%20classes%20and%20return%20types>.

Data Structures and Algorithm Analysis in C++ 4th Edition: Section(s) 3.2, 3.3, 3.5