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CS 3305
Assignment 9

The data structure I think would be appropriate is a linked list, the linked list is currently used most commonly for implementing chaining to avoid collisions. It would be the most practical data structure to use. Each index would have its own linked list attached to it where the elements that would originally collide would go. You would insert the newest element to the top of the linked list or the beginning of it where the oldest element is at the end of the linked list. Utilizing a linked list would prevent the need for resizing the hashtable due to the ability to continuously add nodes to the linked list at each index of the array.