**The Phone Book Application**

**Group Members**: 2

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**Data Structure used:**  Linked List

**Functions:**

* Load Function: Load function loads all the phone records in a data structure called linked list and stores each attribute such as first name, last name and phone number in separate arrays.
* Add Function: This function adds the new contact into the phone book using linked list data structure and stores each attribute such as first name, last name and phone number in separate arrays.
* Print Function: This function allows the user to search for the specific contact
* Delete Function: Delete function deletes the specific record from the phone book by first name of the contact which is stored in an array.
* Save Function: This function saves the records in the phone book after making any changes.
* Search Function: This function allows the user to search a specific contact using first name which is stored in an array

**Reason/Advantages for choosing the data structure:**

The reason for using the linked list data structure is that it allows us to remove a record from a specific location while other data structures such as array, stacks and queues do not allow us to do that. Furthermore, the array has also been used in this application in order to store the first name, last name and phone number of the contact.