

Dictionary Using Linked Hash

High Level Design

**Document Control :**

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| Dictionary Using Linked Hash | | | | | | | | |
| Guided by -SIKANDER |  |  | |  |  |  |  |  |
| **Date** | **Version** | **Author** | **Brief Description of Changes** | | | | **Approver Signature** | |
| 08-12-2022 | 1.0 | Vara Lanka Sai Prasanthi, Kalavathi Gothari, Tamma v k s Prasanthi, Surya Prabha, Lavanya. | Search  Modifications    Add (), Del (), Edit () | | | |  | |
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# Introduction

**1.Purpose:**

The purpose of this project is to load the words from main memory (linked hash) and displays contents in alphabetical order, and user gives the word and retrieves the meaning of the word, and can-do modifications like adding, deleting and editing the data.

**1.1 Intended Audience:**

There is no such specific audience, it could be anyone even the user or admin.

**1.2 Acronyms/Abbreviations:**

|  |  |
| --- | --- |
| ADMIN | TO ESTABLISH CONNECTION BETWEEN  VOCABULARY AND USERS |
| USER | THE ONE WHO SEARCH THE WORD IN A  DICTIONARY |

**1.3 Project Purpose:**

The purpose of this project is to provide the features where the user gives the word and can access meaning of the word.

This system aims at displaying the entire dictionary contents in alphabetical order.

This allows the user to Add (), Delete (), Edit (), and save the contents of Linked list to file.

* 1. **Key Project Objectives:**
* Allows to load words from file to main memory
* Allows providing features where user gives words
* Allows program to return the meaning of the word
* Allows to Add words to Dictionary
* Allows to edit the meaning of the word
* Allows to delete the word from Dictionary
* Allows to save contents of Linked list to file.
* Displays entire dictionary contents in alphabetical order

**1.5 Project Scope and Limitation:**

Now admin can be able to load the words, display contents in alphabetical order and user can add, delete, edit, and save the contents of linked list to file and user can search the word in dictionary.

**1.5.1 In Scope:**

It provides general architecture for Dictionary, this system consists of an application which will serve as a platform for users to find word Meanings. The application is written in C Linux Language.

The application is divided into two parts, admin, user. The user in this application can add, delete, edit, and save the words in Dictionary and access it freely by searching the word in the Dictionary. Admin will provide the dataset.

**1.6 Functional Overview**

The following functions are included in the program:

* **void user ():**

This function is used for users to search a word in Dictionary, and have access to add, delete, save, and edit

* **void admin ():**

This function is used to provide the data which the user asks for

# 2 Design Overview:

Instant Chatters comprises of the following modules:

|  |  |
| --- | --- |
| Name of the Module | Admin |
| Handled by | Prashanthi Tamma |
| Description | Admin will give the extract result for what the user desired |

|  |  |
| --- | --- |
| Name of the Module | User |
| Handled by | Prashanthi Sai Vara Lanka |
| Description | Perform modifications like  Add the data  Del the data  Edit the data  User has access to data and can modify the data like add, del, edit of data |

Dictionary Application between user and admin, there are two objectives namely primary and secondary.

**Primary:**

The admin provides the dataset the user asks for and related information.

**Secondary:**

The User searches for the word and have access to add, delete, edit, and save the words from the dictionary.

**2.2 Design Alternative:**

We have used user to search the word from dictionary, and can access to do modifications like add, delete, edit, and save the words in a dictionary.

**2.2.1 User Interface Paradigms:**

User searches for a word in dictionary and has access to add (), del (), edit (), and save the contents in a dictionary and provides information regarding to it.

Admin will retrieve the data from the user.

**2.2.2 Performance:**

The system will work on the admin. The performance depends on the hardware component of the user’s system.

**2.2.3 Maintenance:**

Exceptionally limited maintenance should be required for this. An initial configuration will be the only system required interaction after the system is put together. The only other user maintenance would be any changes to settings after setup, and any specified exceptional cases where editions need to be changed.

Physical maintenance on the system’s parts may be required and would result in temporary loss of dat. Upgrades of hardware and software should have a trivial effect on this project but may result in downtime.

**3.Environment Description:**

**3.1 Time Zone Support:** IST- Chennai

**3.2 Language Support:** English

**3.3 User Desktop Requirements:**

a. 64-bit processor, 1 GHz or faster

b. At least 2 GB free hard drive space

c. At least 1 GB RAM

**3.4 Server-Side Requirements:**

a. 64-bit processor, 1 GHz or faster

b. At least 1 GB free hard drive space

c. At least 1GB RAM

**3.4.1 Deployment Considerations:**

System is easy to deploy.

**3.4.2 Integration Requirements:**

1. Language: C++

2. Tools: Val grind, Make file

3. Complier: g++, vi editor

4. Linux

**3.4.3 Jobs:**

We can establish connections between admin and users who are connected to the Dictionary.

**3.4.6 Network:** End to End

**3.5 Configuration:**

**3.5.1: Operating System**: Linux