

# Limitations and Enhancements

# Limitations

- The Program uses linear search algorithm which causes delay in searches as we are scanning through more than 30000 words.
- New words are added at the end of the dictionary which disturbs alphabetical order. (The Sorting Wasn't done due to large file sizes)
- There are a some symbols/characters (though very few) in the definations of the words which are not recognized in DOS environment. Hence unknown symbols are displayed.
- The size of the defination file is over 200 MB which causes high disk usage.
- Due to lack of time no option for modifying words and definations could be added.

# Enhacements

- Binary search coulded be implimented (a sample has been included in others/temp)
- File size can be made small by using text file instead of binary but then the searching through it would require great deal of programming.(Sample File And Word read included in others)
- The function to modify the records can be added.
- More functionalities of recognising part of speech of word could be added.
- Spell Check and Grammer Check in sentences could be implimented using previous enhancement.
- File for history of words and could be maintained for browsing through history and favourites which could enhance searching.