

Evaluation report of Group -16 by Group -7

Marks out of 10: 10

Group -16 has implemented a Bulk Spell Checker which is a program for bulk spell-checking and correcting an entire website. They have implemented this using a hashtable which is used to store the words of a dictionary.

The various paradigms of the project and short comments related to the topic are:

- 1) **GUI :** They have implemented a GUI similar to traditional Spellcheckers. They at first show the words that are misspelled in a listbox and the user can peruse the list and can see the occurrences of that word and can correct the misspelled words. On clicking on that word the user gets a list of suggestions of the words which could be present their alternatively. Also, they have set a good background image which is quite apt according to the theme of the project.
- 2) **Algorithmic Implementation:** They have implemented hashtable for storing the words of the dictionary which is the main algorithmic portion in their project. Further they have parsed the input file in steps to remove the HTML tags. Also they have used a vector to store the misspelled words.
- 3) **User Friendliness:** They have made a very user friendly and interactive application which gives small-small prompts to the user to do this or to do that. Also they have provided the wrong words and suggestions very nicely. The user can see the wrong words as highlighted.
- 4) **Code Clarity:** They have done proper indentation the code and explained the logic wherever necessary.
- 5) **Commenting:** They have done proper commenting explaining each block of code and also the variables used in the code along with the logic where they are used.
- 6) **Data Flow:** There is a proper flow of data when they are parsing the file to get the words of the file. They have used file handling to transfer data from one file to another.

- 7) **Functions:** They have used various function in the program. A few of them are global and they have commented that those functions are global and also declared all the global functions and variables them at on place.
- 8) **Installer:** They have created an installer which is very user friendly.It prompts the user what to do at each step and also there is an option to create desktop shortcut.
- 9) **User Manuals:** They have made a very userfriendly user manual in which they have explained each and every functionalities of their software using snapshots of the software with proper labelling.
- 10) **Technical Manual:** They have prepared a well explanatory report in which the workflow and all the main logics and functions have been mentioned and explained.
- 11) **Defects:** They have some defects like a few times when the user replaces a word then the cursor is not placed at appropriate position.
- 12) **Personal Comments:** Overall they have made a great software which with a few more features and with few modifications can become a potential product for them.