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Dictionary Management System

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ABSTRACT The Dictionary management system created is the version, where getting meanings of different words in English language. The user can type the word in English, Espanola, Français and Italian. Using Java, a multi lingual dictionary can be created. This dictionary contains meanings for all the words in all the fields it is not restricted to one particular field hence students of all streams can use this dictionary. When the user finds no words in the database this system also has the facility to add new word to the dictionary if the user knows any words that is not in the dictionary (E.g., Teachers can add word for the use of the students in a school). In case the user wants to buy a dictionary, the user can register in the page where a separate menu is been created by filling out all the text fields given in the form which will later be stored in the database, it will be retrieved by the other end and deliver the dictionary to the user in 5 working days.

KEYWORDS: Word meaning, Multi lingual dictionary, Add words, Buy product, Database

I. INTRODUCTION

Dictionary is the medium used to refer to the meaning of any words in a particular language. Dictionary so far been used by the people in a paper format (i.e.: A book) which is not very flexible to carry around. Dictionary in phone was introduced long back still it cannot be used by the school students. Hence implementing the new technologies making people more comfortable, the dictionary been introduced can be used in their PCs in school or at home. Using Java, a multi lingual dictionary can be created.

The dictionary is a multi-purpose dictionary which is very useful for people of different Country, different language and different Fields/Streams from school going kids to the professionals. It not only for easy usage but also enriching the knowledge of the students by making students learn different languages, knowing words from different fields. This dictionary is very efficient and user friendly as well as not much complicated so that even school kids can use it. The advantage of using this dictionary is that, it is user-friendly, efficient, less time consuming, one-click access, thought provoking, multi-lingual, knowledge enriching for the users.

II. PROPOSED METHODOLOGY AND DISCUSSION

To develop this dictionary management system we have three following steps:

1. The input in dictionary is given in a text field provided and when the button is clicked the input will be taken and searched in the database when any matches then the output will be displayed according to the input given by the user. By using any programming languages we can create input and output design. In this project we have used java for designing purpose.
2. The words are typed using the input devices and the meanings of the words are retrieved based on the input given by the user from the database. Output is displayed by retrieving from the database.
3. The database handles the information as a whole. It is a collection of related data stored with minimum redundancy to serve the users effectively. The main objective of creating database is to make the information access easy, quick, and inexpensive for the user. Here the database is designed using the MS-Access2007, which is very easy to create, add and delete the fields in the table. Forms and reports can be generated in the MS-Access 2007 in a simpler manner. Database is connected with the java using JDBC-ODBC Connection Bridge.

III. EXPERIMENTAL RESULTS

- **MODULE – 1 :**
  Searching a word:

  Searching a word in the dictionary been proposed is very easy that the user can type the word in English, Espanola, Français and Italian. With the one click the user gets the meaning of the word in English. The user need not focus on only general words to be searched. The user is free to search words from different fields which retrieve the answer in a single click.

- **MODULE – 2 :**
  Adding a word:

  Adding a word in dictionary is also possible in the system been proposed. Here when the user finds no word or if the user is has found any new word which is not in the dictionary the user can add the words into the dictionary. Also the user can provide more understandable meanings for the words if the user finds the meanings difficult to understand.

- **MODULE – 3 :**
  Buying a Dictionary:

  The system also allows the user to order the dictionary online. The user can fill out the registration form that is been provided and register which will be stored in the database and can be retrieved later. The dictionary is been provided with low cost and variety of offers been provided for the user.
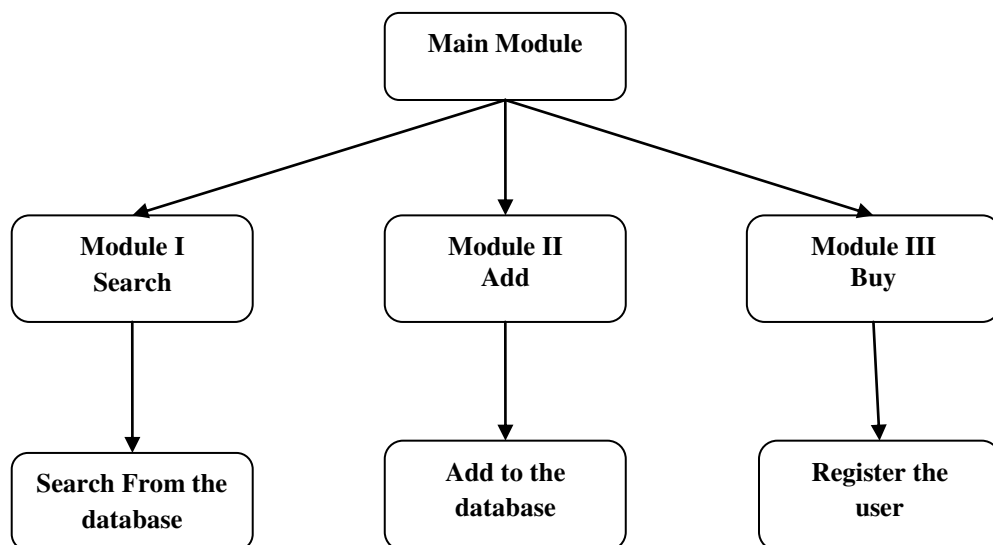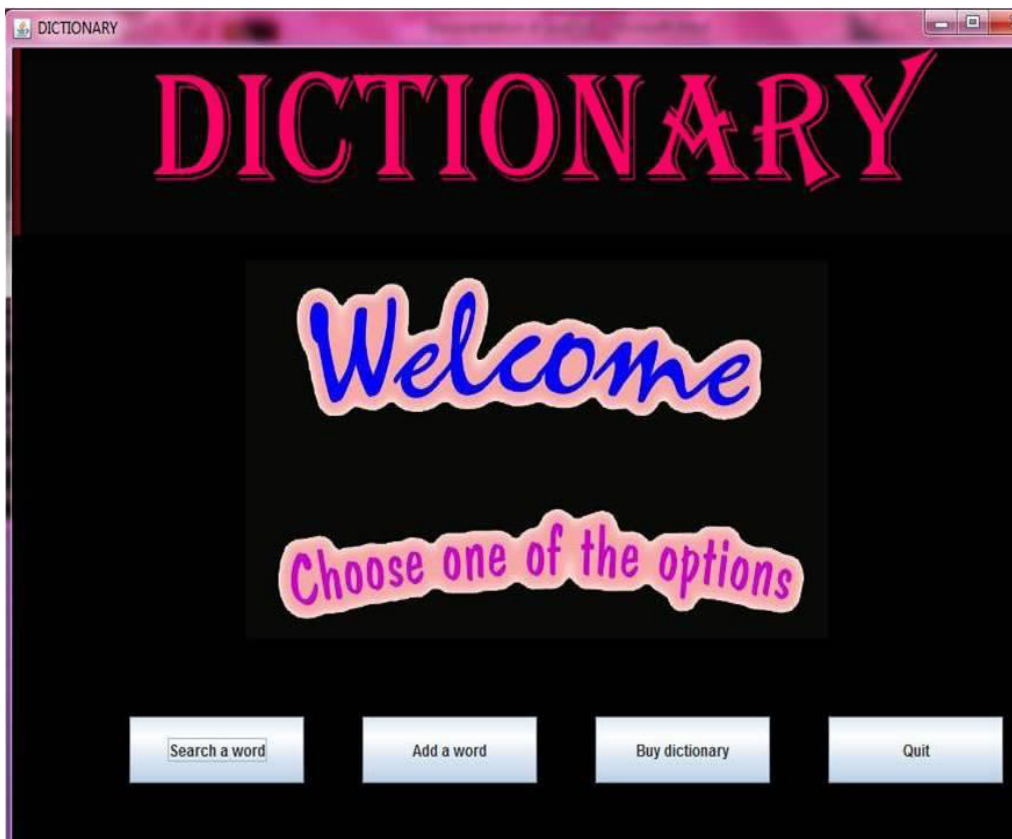

Figure 1: Data Flow Diagram

Figure 2: Sample project

IV. CONCLUSION AND FUTURE WORK

The "Dictionary" in java is a great improvement in the earlier version of manual searching dictionary which was in the form of book. The processing speed in this dictionary was very high and it is not time consuming. It follows one-click per process method for accessing contents from the database and providing information to the user efficiently and it is User-friendly. The words and their meanings have been added into the database. The application is completely checked.

Additionally many features can be added in this project which will be more comfortable for the students. They are:

- To this, an online live support can be added for the immediate response in case of any troubles for the user.
- To this, a pronunciation tutor can be added for improving the pronunciation of each word to the students in various other languages.
- A speech recognizer can be added to recognize the voice of the individual and then retrieve the meaning of the word.

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