

Dictionary App Using Android

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ABSTRACT

Dictionary is one of the important media in learning not only English but also many languages. As mobile technology is rapidly growing day by day, various applications are widely developed as a medium of learning languages, one of them is the application of Android-based dictionary[2]. In this fast pace world we are most dependent on electronic media. DICTIONARY APP is software which can be useful for prior people. Imagine that a vocabulary tutor is always available on your pc, laptop and mobiles. Many times when we get some words which meaning is not known , then the problem arrives. But, the problem isn't that tuff now. We open the dictionary app, then type the word and the answer is provided offline.

Keywords: Dictionary, Adjective, Antonym, Favorites.

1. INTRODUCTION

Android is an open-source mobile phone operating system with Linux-based platform released by Google. It consists of the operating system(OS), middleware, and user interface(UI) and application software. Certainly, Android is about to become the most widely used Operating System on mobile phones, but with Android comes a security vulnerability that few users may take into account [1]. There are a lot of android based mobile applications that are freely available in the play store that are accessed by the people for various purposes. This is offline software which doesn't need internet connectivity. You can know the meaning of words without internet connection that is you can know the meaning offline. The DICTIONARY APP software is a developed to solve users vocabulary confusion or problem. Just few clicks and the meaning of the word is known. The software target any type of computer or mobile user who never get a word which meaning is known to him. This dictionary

offline app is for those who have been puzzled by any English word and wanted to know what is its meaning in Hindi? Have you ever faced the situation where you immediately wanted to note down the meaning of any English word in Hindi but were not able to do so? If yes, then this is the best application for you. You can instantly find the meaning of any English word to know its Hindi meaning at your fingertips and within seconds. This is an effective English to Hindi translator app that will help you understand meaning of the word in Hindi, by translating English word to Hindi. This is an offline app and hence you can easily use this offline app without using internet. After using this app, conversation of English to Hindi will become very easy and you will start appreciating this free converter. Dictionary Linguee is one of the best multilingual dictionaries. It supports over four dozen languages and Hindi is one of them. Hindi is one of the world's most popular and India's national language. It is third, in fact, behind Chinese Mandarin and English. Tons of people travel all over India and other parts of the world where Hindi is prevalent. Thus, finding a good English to Hindi dictionary is rather important. Hindi speakers can use them for English and English speakers can use this app for Hindi.

2. PROPOSED SYSTEM

The author Robinson tells about the ability to show suggestion of words according to input characters in ascending order [3]. Ika Agustina stated that, dictionaries on mobile devices are more practical than conventional dictionaries, as users are able to receive information quickly anywhere without time and space constraint. In this paper we focused on it and designed the app as if it can work offline so that the time and space constraints can be fulfilled. The most powerful translation applications like Google translator or Merriam-Webster however don't support offline mode because of huge data that is not suitable for mobile use where limited resources and capacities are presented [4]. Several commercial multi-language dictionaries are now available on the Google market, QuickDic or on the Apple store [5].

3. RESULTS AND DISCUSSIONS

This is the first screen as shown in Fig. 1 appears when we open the app. A blank screen with three options such as favorites, words and situations located at the bottom of the screen appears. It is blank if we don't add any word to favorites. If we add any word, then directly the word which is been added to favorites appears.



Fig.1 Blank

Fig 2. appears when words are clicked, i.e. words that are arranged in chronological order from A to Z appears. For easy accessing a sidebar with alphabets is also being fixed. We can click on the alphabet, so all the words related to that alphabet are displayed. And there is also a search box for easy search. For example let us assume that we need meaning of the word abandoned, click it.



Fig. 2 words

Fig. 3 appears if the user chooses any word, i.e. if the user clicks on the word or types the word in search bar and enters, and then the following details are displayed. For example in the above we have assumed finding meaning for the word abandoned and clicked it. So this appears as a result. The meaning of the respected word is provided in Hindi and along with that antonym, example and adjective for the word is provided.

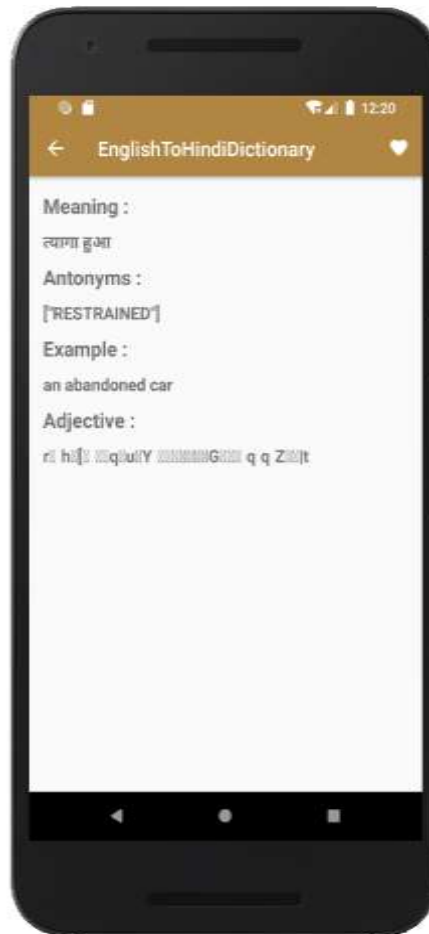


Fig. 3 Meaning

This is the screen with popup message that appears when a word is added to favorites as shown in Fig.4 In above screen the word ABSENTEES is added to favorites.



Fig.4 Favorites

This is the screen which shows how words added to favorites are displayed as shown in Fig 5 if the user adds words if any to favorites.

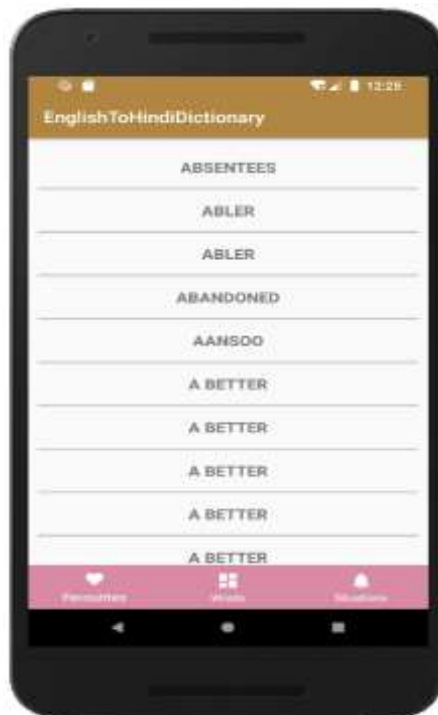


Fig. 5 Display

4. CONCLUSION

In this we finally conclude that the meanings of the words are provided offline, and additional details along with meanings like adjectives, examples and antonyms are provided it can also be done offline. Including this features like adding words to favorites and situations are also provided unlike in other dictionary apps.

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