

Abstract

Project entitled “Extraction of User Data for User Dictionary and Next Word Prediction for Swalekh (a multilingual android keypad which supports English and 11 Indian languages)” is an android application for reading user data from different user profile for user dictionary and next word prediction. The application read data from six different sources i.e. Facebook, Twitter, Gmail, SMS messages, Phone Contacts names and email ids, and name of files and folder from file managers.

SMS messages and Phone Contacts are saved in android internal databases which can be extracted by querying to these databases. For reading SMS and Contacts we have to add the permissions in the android manifest file. For reading file names of file system we have to read the root file and then traversing through every directory for getting all the names of the files.

For reading Facebook messages, Twitter’s tweets and Gmail’s mails we have to login to these sites. At the time of login the user have to authorize the application for accessing the user data. After login we can read the data from these sites. The read data are stored in a text file.

From the text file, where data are stored after reading extracted every word and stored in user dictionary and save the context of the data with frequency for next word prediction. For these dictionary user provides suggestion when the user will type using Swalekh Keypad from the time of installation. By using features the user can type very fast and type a sentence without typing all the words of the sentence.