iOS Based Multipurpose Application for Task Scheduling with Voice Command Handling

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Abstract — **Smartphones provides the facility adoption of various mobile applications. The goal of this project is to implement all in one mobile applications, and find out the intention of customers or users to use this application.**
In this paper, we explain our experiences on constructing speech recognition applications on smartphones. We are going to explain three different models of use for speech recognition systems on smartphones that are – speech recognition in the cloud, distributed speech recognition and embedded speech recognition; evaluating advantages and disadvantages of these models. Mobile Cloud Computing has improved the way of using the service by customer across the globe It integrates cloud into smartphone environment and overcome the drawbacks regarding to performance like battery usage, bandwidth and storage.

Keywords: **All in One App, Task Scheduling with Voice Command, Speech Recognition multipurpose Application.**

INTRODUCTION

In the present era technology is used to enhance the user interaction with the environment using devices like cameras, mobile phones and various technically developed devices. Since last two decades technology plays a very important role in the development of e-commerce.flipkart, myntra becomes the important part of the customer's life. Also this way of e-commerce provides an easy and secured way of online transactions. [1]

This application combines all the basic as well as advanced smartphone applications together to provide easy and common interface to the user. This application provides the functions like calling, Messaging, Travel, Meeting, Shopping etc. all the applications in a single multipurpose application with voice command handling. It is one of is a new technology that allows a digitally developed view of the real world, connecting with meaningful content in the environment. [3]

Using a smartphone this application enhances the way of accessing the information. Traditional system application requires specific secondary applications separately installed on our smartphone. Some of them work using voice command and some applications not support the speech recognition.[2]

I. BASIC ARCHITECTURE

In order to access anything user needs to find out where the thing is and how to access it or use it. Here we are providing an easy graphical interface to user so that he can easily access and connects with the proper information. Fig. 1 shows the Basic Architecture of the Application.

After opening the application user can see the various task of functions that he wants to perform or any information that he wishes to search. User can directly interacts with the module using voice commands. As fig 1. Shows the different functions that can be performed using the application with the help of GUI and on the other hand the database gives the access to the information and save it.

So that the user can access the saved information anytime and anywhere. All the information that user have accessed previously get stored on the cloud automatically to prevent loss of data and to access the information anytime from a remote source. Service layer is used as the interaction between the graphical user interface and the database. This layer will provide the data according to the request of the user from the database.
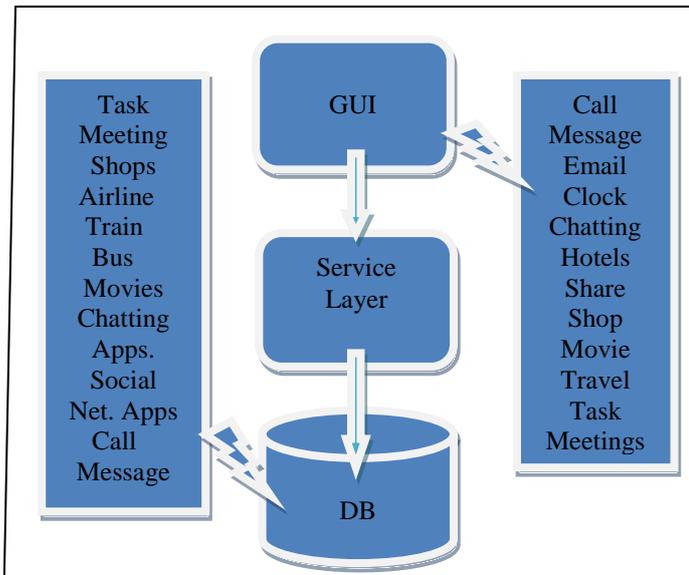
Fig.1 Basic Architecture of Application.

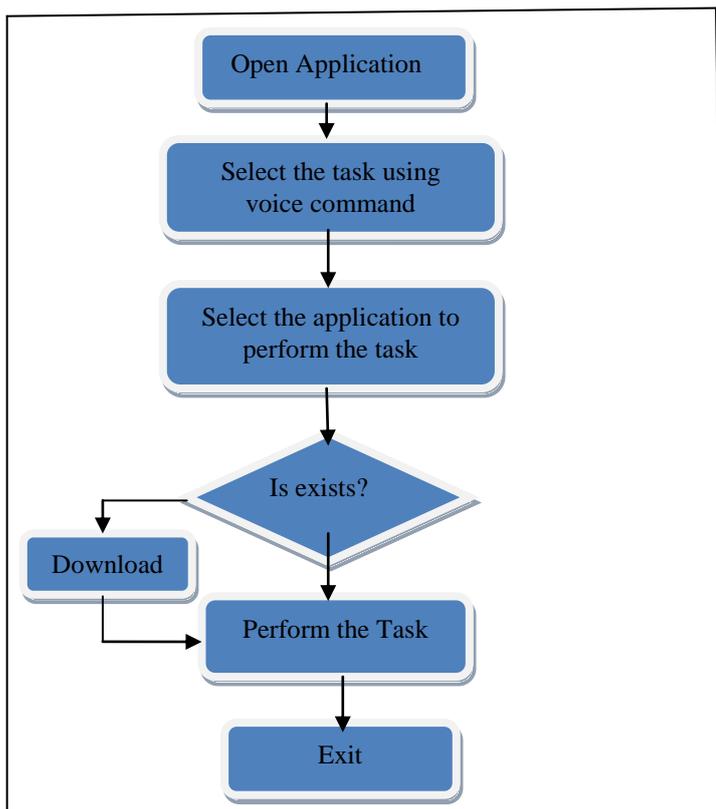## II. BASIC WORKING OF APPLICATION

Fig. 2 Workflow of Application

Speech Recognition is used to access any module from the application as there are multiple modules are available like Call, Message, Movie, Travel, Shopping etc. [5][6]

Fig 2. Shows the basic workflow of the application. First user has to open the application to perform the task. Then user can select the application module with respect to the type of task want to perform by using voice command. The application called by the user to perform the task, if exists, then user can directly perform the task using that application. If not, then the control goes to the browser to the download tab for that application. User has to download that application and then user can perform the corresponding task.

Such that the application can be used to perform the different tasks using voice commands.

III. CONCLUSION

Speech Recognition is an emerging a new technology heavily used in the present era. Some of the best example is in Google voice search, Speech recognition used in smartphone for calling operation. This paper gives an idea to implement the technology for number of tasks which provides an easy user interface as well as implementation techniques.

IV. REFERENCES

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