

# Personal Assistant

Individual App for Android



**Abstract— Purpose of this voice recognition android application is to provide ease to users. This application can take commands and process instructions as per user's need.**



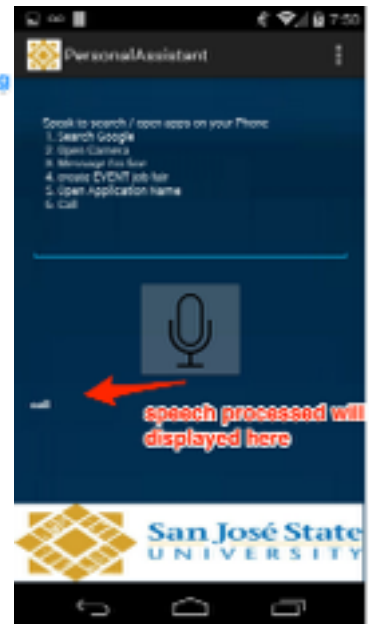
## I. INTRODUCTION

“Personal Assistant” is a voice recognition application for android mobile operating system. User can give voice commands which will be processed by the application and respective actions will be executed. Following are the list of operations which can be done using this android application.

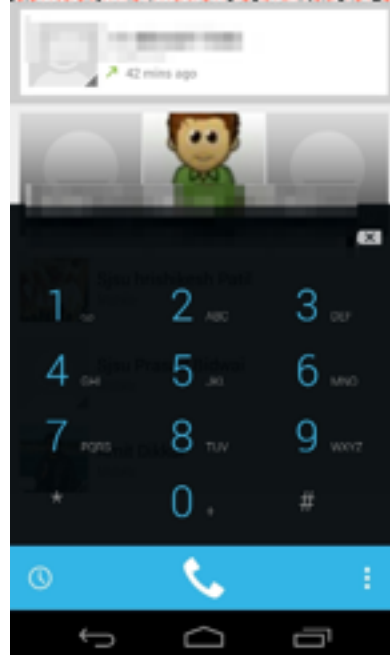
Commands: 1) Search 2) Camera 3) Message 4) Event 5) Open App 6) Call etc.

## II. SEARCH / CALL/ CAMERA/ EVENT / MESSAGE/ OPEN APP

“Call” is the keyword to be used by user to execute command for Calling someone. User's voice will be processed and then displayed at bottom. A voice confirmation will be also given by app like “Calling ContactName” and Phone App will be displayed.

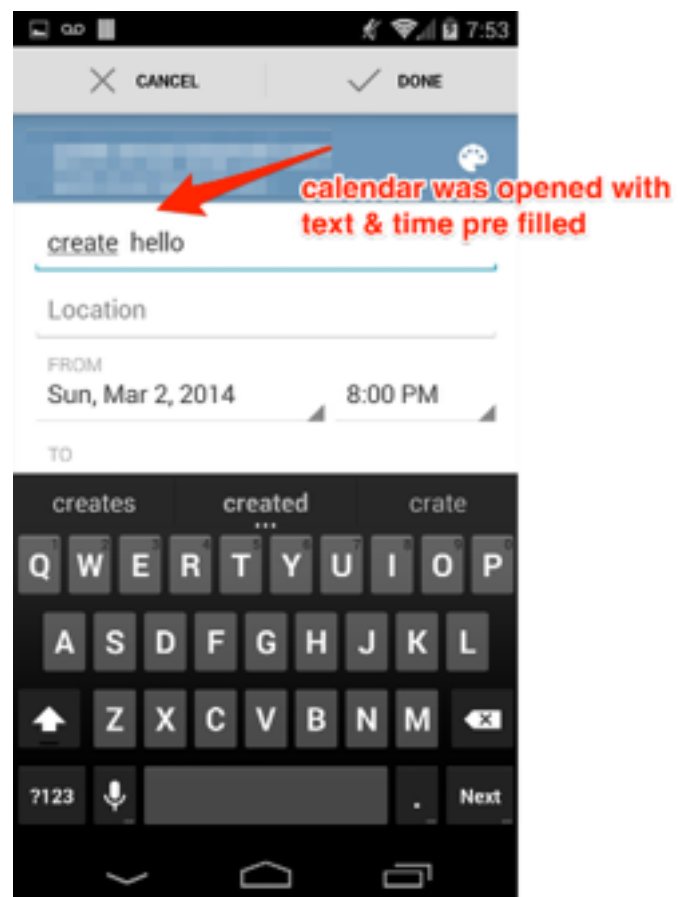
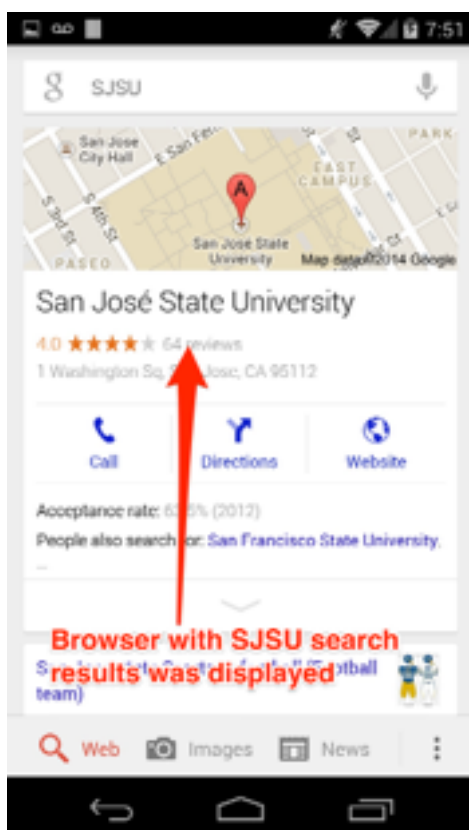
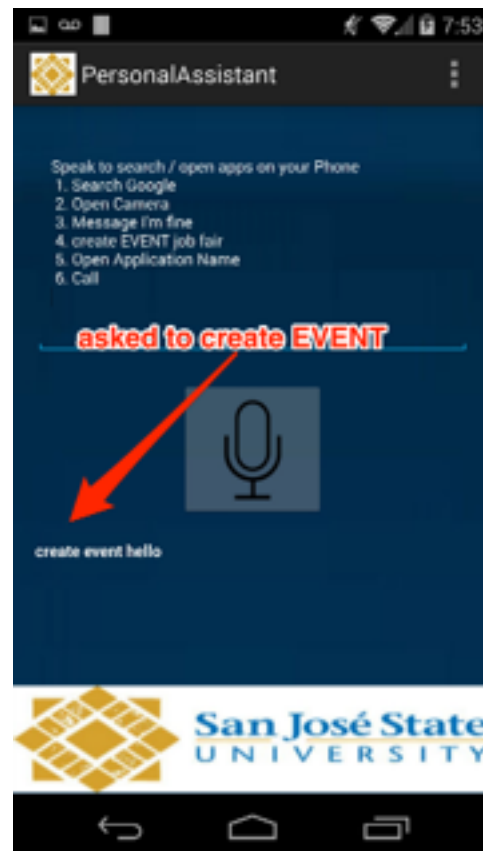
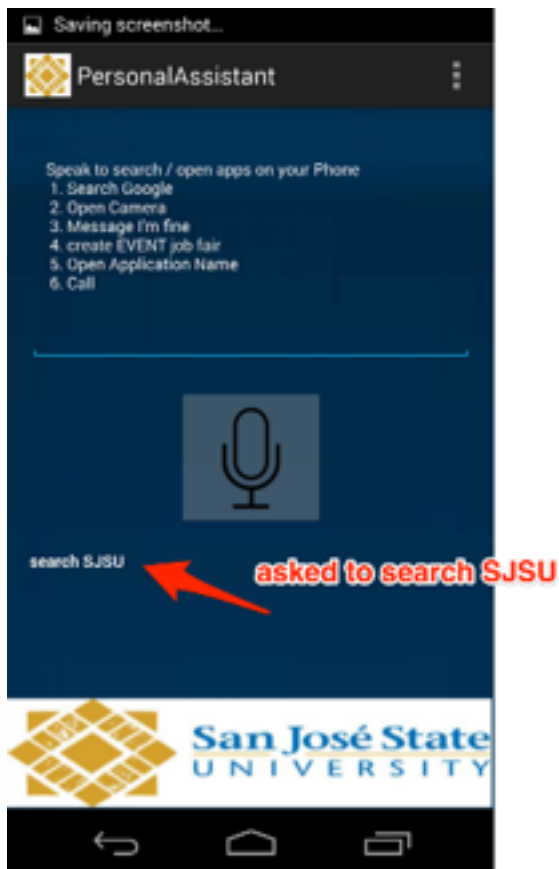


contacts app was opened  
contact information is blurred for security reasons



“Search” is the keyword used to search the anything on Internet. Application will process voice and search user’s command on Internet. Search results will be displayed in Browser.

“Event” is a keyword use to create event in Google Calendar. If user commands “Create Event Job Fair” ,a voice confirmation “Creating Event Job Fair” followed by a calendar application will be opened with Title of event as “Job Fair” & timing s will be default date & time (current).

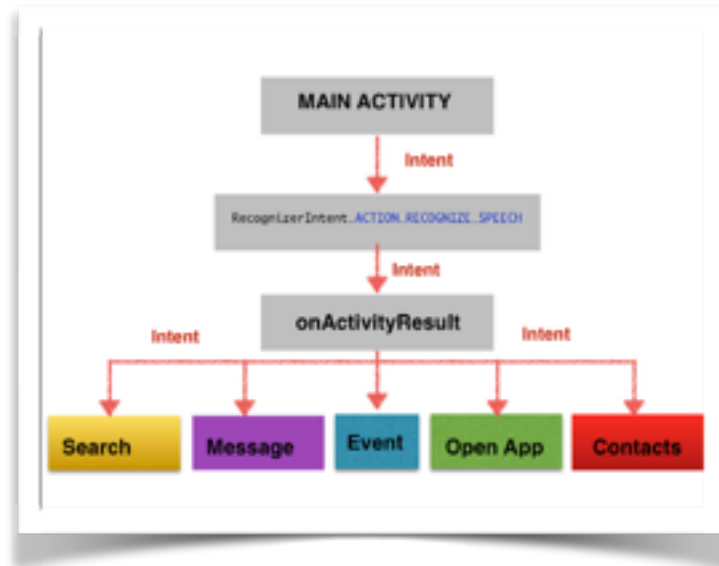


“Open” is a keyword to open any application on user’s mobile phone which is installed. Example: if user commands “Open Facebook”, voice confirmation “Opening Facebook” followed by Facebook application will be opened.



### III. HIGH LEVEL - INTERNALS -WORKING

“Personal Assistant” android application is built on Android SDK Version 19 but can be executed on all android devices which have minimum Android SDK Version 8. Application require user’s consent in form of permissions while installation to access “INTERNET”. Application internally uses “RecognizerIntent.ACTION\_RECOGNIZE\_SPEECH” an inbuilt android service. All device which don't have above service will be notified as “Voice recognizer not present” at start of application.



### V. TESTING

This app is tested on Nexus 5 ( Android 4.4 Kit Kat )

### ACKNOWLEDGMENT

I am highly indebted to all technical writers and authors who have contributed and share their knowledge on internet about Android. I will also like to thanks Prof. Chandrasekhar Vipulapati who gave me this opportunity to explore this topic.

### REFERENCES

Following are the list of links which i refereed to write this report:

- <http://lifehacker.com/5848973/how-to-get-a-personal-assistant-like-siri-on-your-android-phone-for-free>
- <http://www.androidhive.info/2012/01/android-text-to-speech-tutorial/>