Voice Alert Based Notification Android App

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Abstract- Now Smartphone's are using by everyone Irrespective of their needs and income and daily they receive a 'n' no of messages. In which they can't notice some important messages. Which may lead to some serious issues. So we came up with an idea that when we receive any SMS messages notification to the mobile. It will display a text message with voice alert by saying from where the sender is if it is important we can easily recognize it and read it otherwise we can ignore the messages.

Keywords- Android Smart Phone, Speech Recognition, Voice, Application, SMS.

I. INTRODUCTION

Problem definition:

1) Today everyone is always on the move like someone is driving or just walking in a hurry. And in addition to that we are all the time getting calls or SMS while we are on the move and in a hurry. We usually don't want to pick unwanted calls or have to read each and every SMS.

2) So to solve this issue of everyone's everyday life, inspired by this I have made this android application. Using this application when a call comes, the user will hear the name of the caller, so likewise he can decide whether to take the call or not without looking at the mobile. Similarly when the SMS is received user can know who sent the SMS and what the text in it is without having to touch the mobile or disturbing his work pace.

II. EXISTING SYSTEM

1) Actually in our mobiles if message is gotten it will simply show the senders name and message sent will be shown in inbox or as a discourse on the screen yet when we open we can see in inbox as it were.

2) So in our voice ready task when a specific individual is occupied he can't be a ready to see the message sent by the sender, he may disregard it, however in our venture "VOICE ALERT" (a voice that says the sender name as alarm).

3) He may know the sender name with voice and if fundamental or imperative he may read the message if not he can disregard that message on the off chance that they are occupied.

III. PROPOSED SYSTEM

In our voice alert project our android mobile speaks to you when following events are triggered i.e. when we receive a message to the mobile it stores the message and prompts a dialog box with three button "READ","DELETE","CANCEL", when we tell "READ" the application reads the senders mobile number and reads the message content and when we tell "DELETE" it deletes the message.

Scope of project:
The scope of the Message Reader Android Application is to make you listen to your messages whenever you feel like, while keeping your hands and eyes free for other things. It reads the text messages. Thus it might be user friendly and very much useful/helpful to the person using it.

IV. LITERATURE SURVEY

1) A database including ALERT and Inspect was searched for relevant publications mainly within the past five years. Multiple search terms were used, combining "Voice Message" with "Alert", using the MESH term using "e-visit", "e-consultation" and "video consultation".

2) This SMS Manager allows users to listen to Mobile Number from which SMS arrives. User can enable auto dismiss *alert* for every incoming SMS.

A convenience sample of current websites was derived from sites that appeared among Google's first one hundred results when searching for "voice alert system" these sites were examined against our OMC definition to eliminate websites that did not match with the inclusion criteria such as health information, health advertising, generic well-being advice, automated symptom checkers, telephone only consultations, or sites with no private channel for communication information. This left 28websites which were examined more closely to determine the modality of the consultation, the intended purpose of the consultation, the cost, the medical speciality, the geographical coverage, website establishment date and the geographic location of the service provider. Data were sourced directly, requested from the providers or found in public media reports.

V. METHOLOGY

1) Java is a protest situated dialect, and is fundamentally the same as C++. Java is disentangled to dispense with dialect includes that reason regular programming mistakes. Java source code records are assembled into an arrangement called byte code, which would then be able to be executed by a Java mediator. Highlights being.
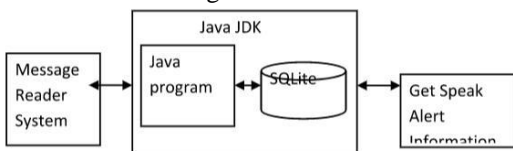
Java Speech API:

The Java Speech API (JSAPI) is a specification for cross-platform APIs that supports command-and-control recognizers, dictation systems, and speech synthesizers. Currently, the Java Speech API includes javadocstyle API documentation for the approximately 70 classes in and interfaces to the API. The specification includes a detailed programmer's guide that explains both introductory and advanced speech application programming with JSAPI, but it doesn't yet offer the source code or binary classes required to compile the applications JSAPI is freely available, and its owners welcome anyone to develop an implementation for it; so far, it has just a few implementations, such as FreeTTS for voice synthesis and IBM Speech for Java for speech recognition.
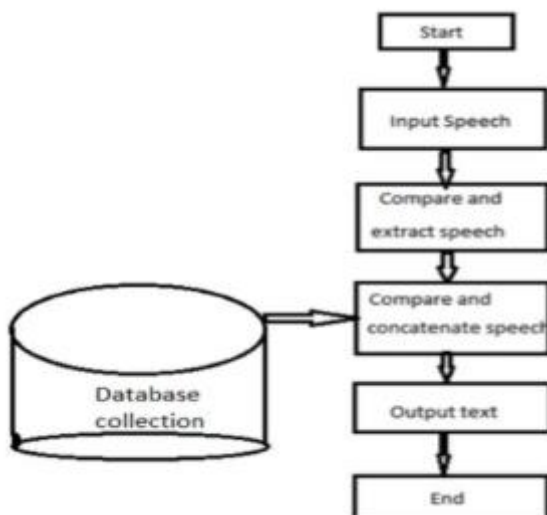
VI. ARCHITECTURAL DIAGRAM

Architecture diagram is a system in which the principal parts or functions are represented by blocks connected by lines that show the relationships of the blocks. Block diagram is typically used for a higher level, less detailed description aimed more at understanding the overall concepts and less at understanding the details of implementation.

Architecture of Message Reader

Data flow diagram:

A **data-flow diagram** (**DFD**) is a graphical representation of the "flow" of data through an information system. DFDs can also be used for the visualization of data processing (structured design).

APPLICATIONS:

1. Announces the senders Name.Interactive SMS read option to control SMS content reading with voice commands.
2. Reject SMS through Voice Command While Driving and Other Unreachable Conditions!
3. Helps people such as blind and other physically challenged people who face using Phones difficult on a day to day life by interactive voice control.

MODULES:

Speech output(user):

1) This module has been added specifically to alert user about the motion in front of them and to convey the results of object detection to the blind users (especially when crossing roads).

2) If motion is detected, the object is recognized and it converted into the TTS to alert the users.Due to this, blind users can take necessary precautions or stop for a while till the motion infront of them stops
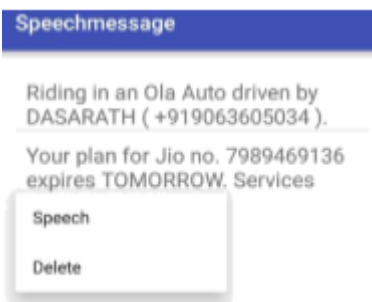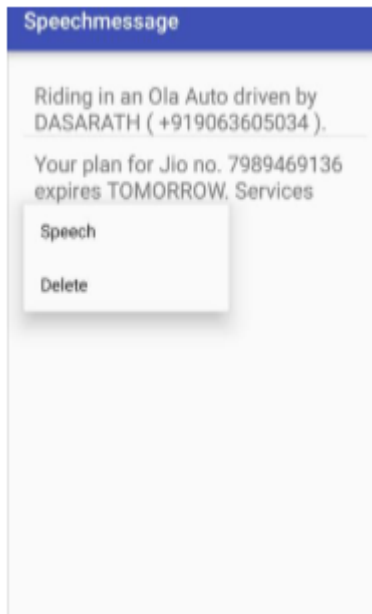
TTS(Text-to- Speech) :

After the object recognition, the text stored in the object below is converted into the voice output to the blind user. It is done by the text to speech application in android OS.

IMPLEMENTATION:

1.	It is implemented in a Android software.	SDK
2.	This application program SQLites usefulness.	Clients
3.	A independent program called sqlite3 is given which can be utilized to make database characterize tables inside it, embed and change columns, run inquiries and deal with a sqlite database record	
4.	Sqlite clients and strange compose framework for a sql perfect DBMS	

VII. RESULTS

With more than 39 million outwardly impeded individuals around the world, the requirement for an assistive gadget that permits the visually impaired client explore openly is critical. We have built up a disconnected route gadget that utilizations 3-D sounds to give route directions to the client.

At long last it is a snappy and most recent method for informing application which will enable the client to listen the instant message as in the voice arrange by utilizing the content to discourse office in the android. And furthermore it will permit all the existed includes when all is said in done informing framework in a shading full manner.

IX. REFERENCES

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VIII.   CONCLUSION

This App is to talked the sender name – ilocate has been effectively finished. The objective of the framework is accomplished and issues are settled. The task is created in the way which is easy to use and needed support is given at various levels. The essential objective is to give SMS is gotten on portable, it peruses out the name of the sender of the SMS through a voice message. Our application will be valuable to every one of the clients the individuals who have a bustling life, and will enable them to spare time by helping them to keep away from undesirable SMS.There are numerous applications in view of android which fill in as SMS alarm in any case, none of them give the content perusing SMS caution. So in my application, it tells who sent the SMS and additionally it likewise peruses out the content which is sent in the SMS. Our undertaking has impediment that the application is working just on android construct gadgets and not in light of some other. Till now applications give SMS cautions about who is sending SMS, yet none give the SMS content perusing which is given by this application.