Android Application for College Phonebook

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Abstract

The project which we are doing is about "COLLEGE PHONEBOOK". It is about storing the information or details of each individual student studying in their respective departments, which display the name of the student, phone number(s) of the each individual student. This will be a very useful concept as it will give the college management or the department head to know the complete information of the student studying in that department and the management of the college can even update parents of the student by reaching them through the phone or by sending them the message. By this they can have the interaction with the parents directly. The management of the college can notify the students and parents by sending the attendance percentage, marks in the internals, greetings during festivals, etc. This helps the parents to know about their child. This project is based on the database in which we can store and retrieve all the information regarding students and what all we require.

1. INTRODUCTION

In the recent trend mobile-phones have become soul-mates for public. They are making use of mobile-phones for every single need. ..Right from calling, texting, tracking, listening to music and so on. Many new applications and technologies have come into existence these days, which people are using very effectively. Still many are looking forward for new technologies in mobile-phones as we know android is an open source. Android is the latest software for mobile devices that include operating system, middleware and key applications.

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department and the management of the college can even update parents of the student by reaching them through the phone or by sending them the message. By this they can have the interaction with the parents directly.

The management of the college can notify the students and parents by sending the attendance percentage, marks in the internals, greetings during festivals, etc. This helps the parents to know about their child.

This project is based on the database in which we can store and retrieve all the information regarding students and what all we require.

2. EXISTING SYSTEM:

In the existing system, the manual process, receiving data's from parents and students.

In this details are done through manual records. These records are entered in manual process. in this process will take long time,separet workers need to maintaining the databases.All the college details are stored via separate databases. It will take long time due tothis process time waste, money waste etc...In this process very difficult to maintain the details of each and every individual in a proper way is a difficult task.. Administrator does not maintain the file, documentation, reports (class wise, section wise) etc… in a proper way.

User need to add all the contacts in the phone manually. They can also update and delete however it is very tedious process. They

don't have provision to email from the contacts.

2.1 DISADVANTAGES:

 Maintaining records manually is a tedious process.

 Not user-friendly i.e.; in order to retrieve the student's information is so difficult.

 High usage of paper work in order to maintain the student details.

 Inaccuracy while entering the details manually it can happen.

 Wastage of time.

3.   PROPOSED SYSTEM:

In this application every one can maintain the details about all the students in their mobile only. So we can easily reach all the students of the college. It consists of student information like name, phone number. From this application we can only call and send a message to whome we want to communicate.
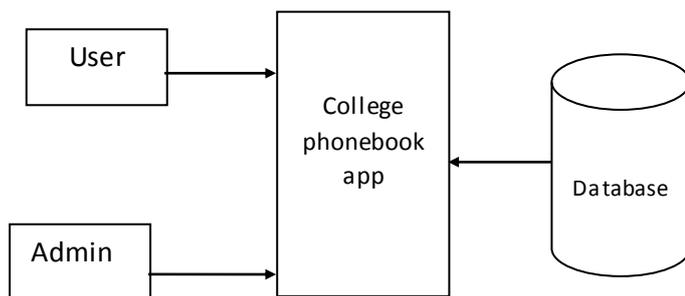
The main objective of the existing system is to provide a user-friendly interface. The system, which is proposed, now computerizes all the details that are maintained manually into the mobile application. Once the details are fed into the android application there is no need for various persons to deal with separate sections in order to maintain the data of the individiual. Only a single person is enough to maintain all the data regarding the students of

the college. The security can also be given as per the requirement of the user.

3.1 ADVANTAGES:

- Large volumes of data can be stored with ease.
- Maintenance of file is flexible.
- Details stored are updated now and then.
- Stored data can be easily edited.
- Less manpower required.

4. SYSTEM ARCHITECTURE:

4.1 REQUIREMENTS:

4.1.1 HARDWAREREQUIREMENTS:

System   : PentiumIV 2.4 GHz.

Hard Disk   : 40 GB.

Floppy Drive   :   1.44 Mb.

Monitor   :   15VGAColour.

Mouse   :   Logitech.

Ram   :   4GB.

4.1.2 SOFTWAREREQUIREMENTS:

Operating system   :   Windows 7.

Coding Language   :   Java 1.8

Tool Kit   :   Android2.2 (SDK)

IDE   :   Android studio

5. ALGORITHM

Step 1: Start.

Step 2: Print "Welcome to college Phonebook"

    a. Add

    b. Delete

    c. Exit

Step 3: Read name, phone number, branch.

Step 4: Now for Adddetails( ), arranging the data as add name, add phone number, add branch and then press OK.

Step 5: Now for Listdetail( ), arranging the data as

    a. if data is empty printf "please fill in the details"

    b. else details are stored.

Step 6: Now for Deletedetails( ), arranging the data as

    a. if (f==null)

    b. print "branch details not selected".

    c. else

    d. if (flag!=1)

    e. print "no contact detail to delete"

    f. else

    g. print " number deleted successfully".

Step 7: Now for sendsms( ),

a. let g1= random {(1,2)}

b. let g2= 3-g1

c. Try gateway g1, if success stop.

d. Try gateway g2, if success stop.

e. Buffer the sms and try later.

Step 8: Now for call( ),

a. Dial the phone and wait for either an answer or the busy signal.

b. if the line is not busy then do steps 9(c).

c. Talk as long as you want and hang up the phone once you are done.

d. Otherwise, if the line is busy then wait.

e. Go back to step 9(a) or try later.

Step 9: Re-dispaly the menu for the user required input.

Step 10: Stop.

6. MODULES:

- Call module
- Sms module
- User module
- Admin module

6.1 CALL MODULE:

In this module we can inform any issues regarding the students o their parents through calling them .

6.2 SMS MODULE:

In this module we need to enter all the details about the student in the body of the message. This feature enables the parent to know the performance or the faults regarding their respective child.

6.3 USER MODULE:

This module is used for new user registrations. And the messages can be sent to the existing users privately to their parents.
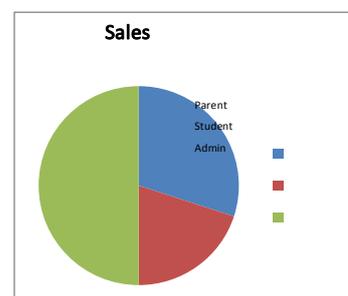
6.4 ADMIN MODULE:

Admin will observe the actions of the students and will report it to their parents.

7. RESULT ANALYSIS:

Parent: Parents will give the details to the admin inorder to know about their childs performance.

Student: Student can view his own performance through this application.

Admin: Admin views and analyzes the student details for further usage.

8. CONCLUSION:

The project which we did is about "COLLEGE PHONEBOOK". It is about storing the information or details of each individual student studying in their respective departments, which displays the name of the student, phone number(s) of the each individual student.

This will be a very useful concept as it will give the college management or the department head to know the complete information of the student studying in that department and the management of the college can even update parents of the student by reaching them through the phone or by sending them the message. By this they can have the interaction with the parents directly. The management of the college can notify the students and parents by sending the attendance percentage, marks in the internals, greetings during festivals, etc. This helps the parents to know about their child.

This project is based on the database in which we can store and retrieve all the information regarding students and what all we require. This concept has varied superiorities that, it can view the entire information on one click by selecting a particular student. It takes less than few minutes to have information and so by affirming its time complexity. This project does have some deprivations as in if at all any changes in name and phone number of the student has changed ,then these kind of changes in the information of the students are not updated automatically we have to update them all by ourselves.

9. FUTUREENHANCEMENT

The wide approach of studying android operating system may encourage the programmer to develop various applications. This application will give actual information about College to Student who is interesting to be part of our institute. This project is based on the database in which we can store and retrieve all the information regarding students and what all we require

10. REFERENCES

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