<u>**MobileMania Round 2 Problem Ideas**</u>

You can select any of the problem ideas given below **or implement any of your ideas**. So you are **NOT restricted to ideas** mentioned here. The ideas mentioned below are for your reference only and you are free to modify them.
Your final submission will be judged on the basis of the quality of ideas you have implemented and the practical usage of your mobile application.

Instructions:
1.Please send respective project Directory in **.zip** format attached with Email having subject as "**Round2:<teamname>**".
2.Along with your app ,you must send a **README** file ,consisting of idea, assumptions, how to run the app, configuration details, or any other point you think is worth mentioning about your app.
3.Do not copy from net.
4.You may be called to explain to the logic and design of your app.
5.**Top three apps will be displayed on site.**
6.Do register on avishkar site and mention avishkar ID in your submission Email.
7.**Deadline for Round 2 is 23rd Sept 2011,before 11:00 PM.**

Problem 1 : Implement a contact manager .The following are the specific requirements .
        1)We should be able to group the contacts into specific categories.
        2)We should be able to add/remove contacts.
        3)We can edit contacts from the list.
        4)We can make contacts private and password protected.
        5)we can display contacts in sorted order.
        6)we can search for contacts
        7)There should be two modes for the contacts manager .One which will display the contacts in the alphabetically sorted order . The other which will display the contacts according to the number of times , we use them .

Problem 2 : Implement a bluetooth application .Following is the list of ideas one can build upon.
        a)An application which, using bluetooth , can send commands to another mobile phone.The command could be anything like opening the remote file manager or anything . This is akin to the intercomm project .You can read about it more on the internet.
        b)Implement a bluetooth chat application .

note : Android bluetooth API is stil under constant refinements and the emulator does not support it well either .Refrain from using Android .Use J2ME instead.

Problem 3 : Implement a server/client based application for the LAN.
        The following is a brief list of ideas you can implement .

1) An HTTP server
2)An ftp server
3)A telnet client or a server.

note : Proxies can cause a lot of problems in the android platform . So, implement the same for LAN only . You can take help of some good socket programming source codes and some already implemented codes on the internet.

Problem 4 : Implement a screenshot mobile application .

Problem 5 : Implement a simple game like ping pong or bricks .

Problem 6:Implement an app which could provide you weather forecast for the week.

Problem 7: Implement a full-fledged scientific calculator having all the required features, plus which can also perform conversions from various units to others, like inches to feet, kg to pounds, various currency conversions, etc.

Problem 8: Write a barcode scanner application which could find the pricing and metadata related to that item(on which the barcode was printed). Present these metadata in a logical and usable way to the user. Also allow the user to purchase the item online. Add other features you feel would make the app more user-friendly and helpful.

Problem 9: Make a multi or two player game,using bluetooth.
for example : Tic tac toe

Problem 11: Quizzing application like who wants to be a millionarie
1.It can includes lifeline .
2.It should randomly select question from a specific pool .
3.Difficulty should increase as game progress.

Problem 12: Many people keep their phone in silent mode most of the time. In such situation if they misplace it then it is hard to find it. Now here is the solution. You send a sms to your phone and if it matches with the sms which is previously set by you then it will start ringing or will change your phone from silent to general mode and so you would be able to locate your mobile.

problem 13: Automatic SMS reply to selected numbers. On receiving SMS from a particular number.sends him a particular message that is set by user.

Problem 14: When some buttons on our keypad doesnt work.Its very difficult to send a message.Its very annoying too.
So implement a virtual keypad for mobile.Add additional features to make it more worthy.

Problem 15: Implement a chat application that runs by sending chat messages using SMS.

like G-talk. where you can scroll previous messages.

Problem 16: Implement a multi featured text editor(like notepad) that should have following features.

        1.Opening and creating text file.
        2.Editing files with the key shortcuts for cut , copy and paste .

Problem 17: Implement a voice recorder.

You can look at a lot of innovative ideas on the internet .some of them are:
https://market.android.com
http://www.getjar.com/
http://www.handango.com