

Analysis of call logs

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## **Problem definition:**

Analysis of call logs. To demonstrate user busy and user free schedule.

**Technology stack:**

* Android Studio
* minSDKVersion 21

**Features:**

* Given project demonstrates the hour of the days when user is busy.
* A start date and end date is taken from the user.
* The hourly schedule of user is printed.

**Functionality:**

This application is useful for people to know your schedule and call you accordingly.

All the missed calls during the span are counted. These are then sorted on the basis of hour at which they were missed. A threshold value is taken from the user, and if number of missed calls in any hour exceed than the threshold value, the user is considered to be busy at that particular hour.

It avoids disturbances at work hours and other busy hour of the day. It can be extended to provide sms services, which enables one to send message to people to call only during free hours. The phone can be automatically set to airplane mode during the buys hours. This scheduler helps the user to plan in many ways.

**Technical Approach:**

* This is used to retrieve missed calls in a given time period.

callType == CallLog.Calls.MISSED\_TYPE

* Updatedarray is used to store the missed calls sorted by the hour of call, in 24 hour format. Values greater than threshold are taken in array.

int updatedarr[]=new int[24];

int k=0;

for(int j=0;j<24;j++){

if(arr[j]>thresh) {

updatedarr[k++] = arr[j];

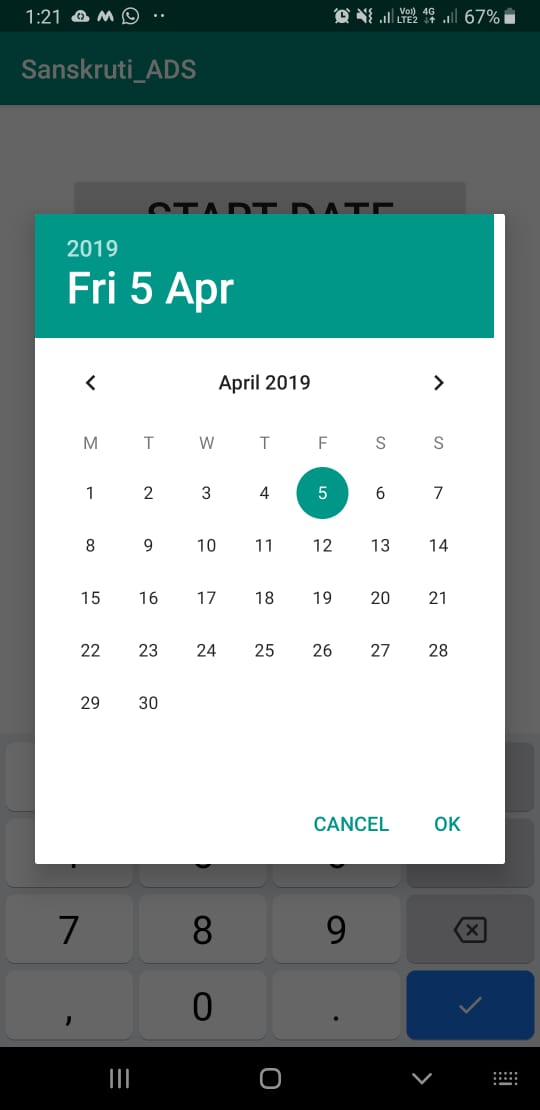
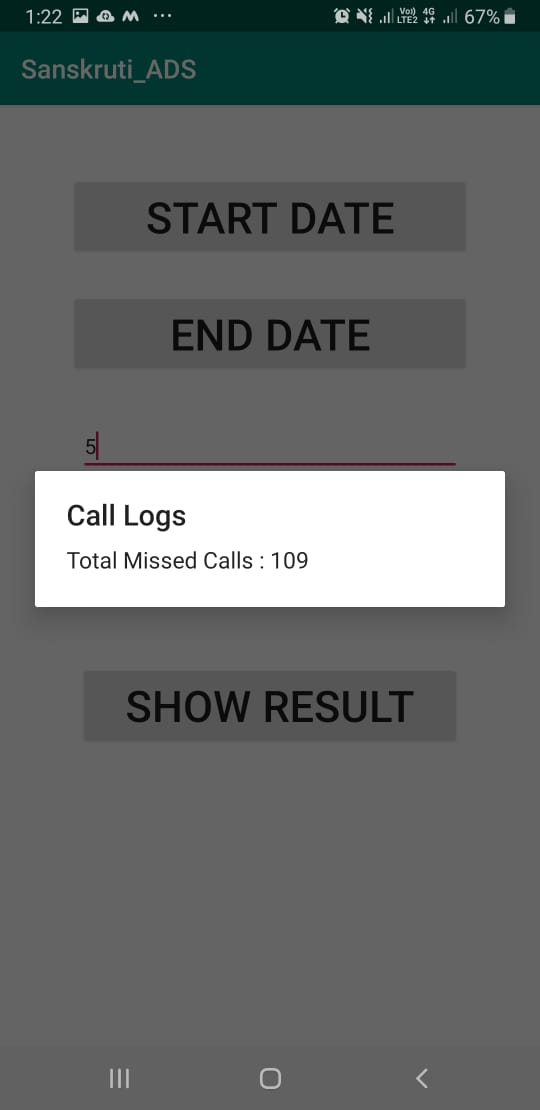
}

}

* Date picker dialog is used to choose start and end date

DatePickerDialog datePickerDialog = new DatePickerDialog(this,new DatePickerDialog.OnDateSetListener()

**Output Images:**

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