USER'S MANUAL

AppMonitor

A monitoring application for Android phones

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1.0 GENERAL INFORMATION

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General Information section explains in general terms the system and the purpose for which it is intended.

1.1 System Overview

AppMonitor is a monitoring application, which allows collecting information about installed applications on the phone and blocking the select applications. The application saves data collected to database and then provides aggregated usage statistics. AppMonitor operates on mobile devices with Android operating system.

1.2 Organization of the Manual

The user's manual consists of four sections: General Information, System Summary, Getting Started, and Using The System.

General Information section explains in general terms the system and the purpose for which it is intended.

System Summary section provides a general overview of the system. The summary outlines the uses of the system's hardware and software requirements, system's configuration and user access levels.

Getting Started section explains how to get AppMonitor and install it on the device. The section presents briefly system menu.

Using The System section provides a detailed description of system functions.

2.0 SYSTEM SUMMARY

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System Summary section provides a general overview of the system. The summary outlines the uses of the system's hardware and software requirements, system's configuration and user access levels.

2.1 System Configuration

AppMonitor operates on mobile devices with Android operating system. It is compatible with Android API level 15 and higher versions. The application requires connection to Internet in order to save data to database. Data saved in database can be seen using any major Internet browser. After installation on the device, AppMonitor can be used immediately without any further configuration.

2.2 User Access Levels

There are two different types of users. Admin Users are enabled with a PIN. They are having the privilege to change the settings. The other users are normal users who do not possess the PIN.

3.0 GETTING STARTED

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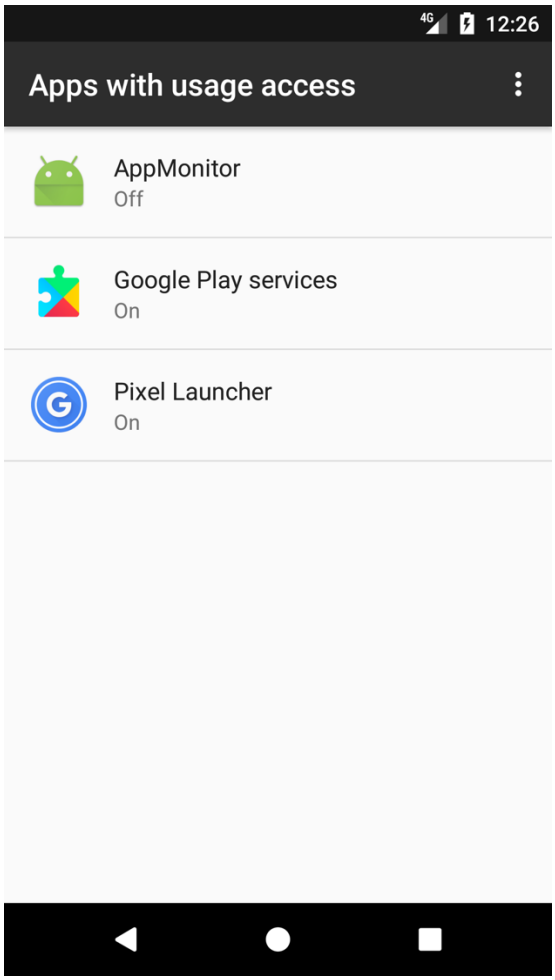
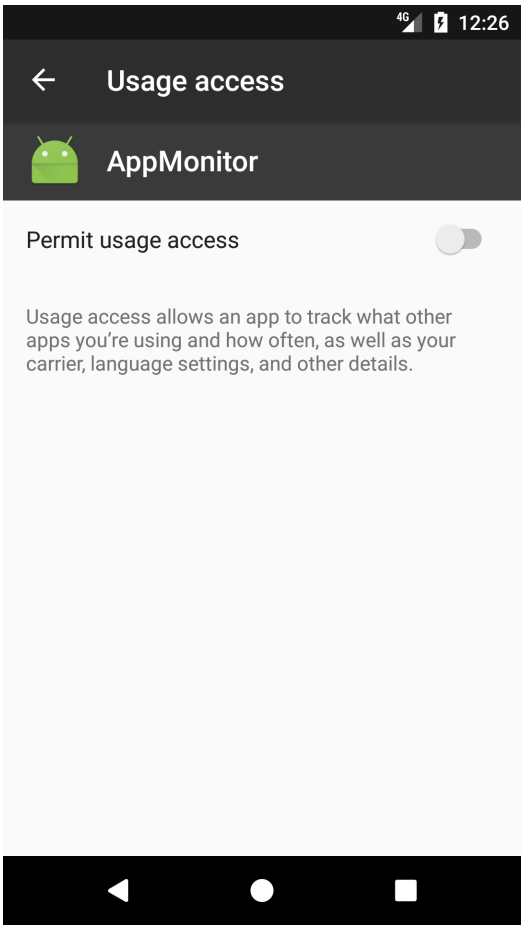
Getting Started section explains how to get AppMonitor and install it on the device. The section presents briefly system menu.

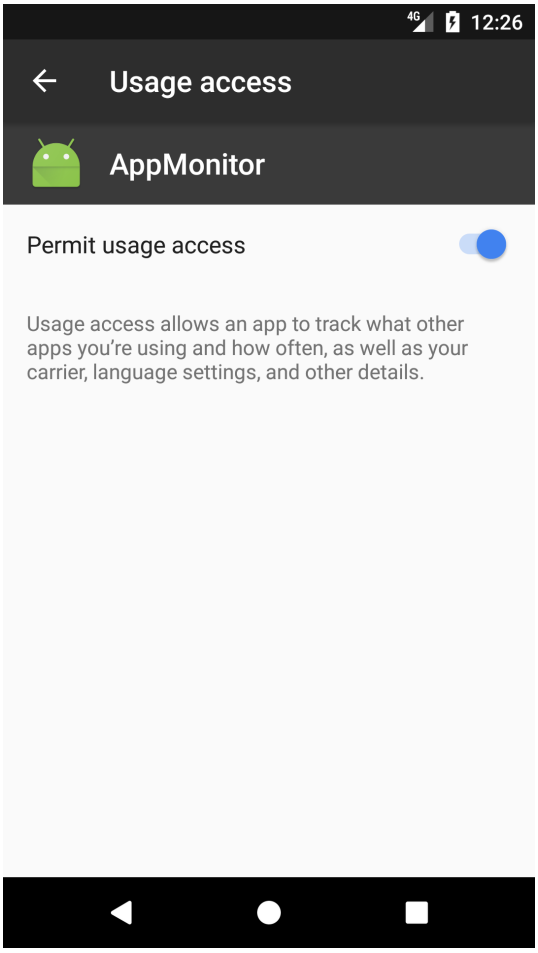
3.1 Installation and Logging In

The newest installation version currently available can be downloaded from Google Play Store which should be installed on the device. For specific instruction on how to install application on specific device refer to device's manual.

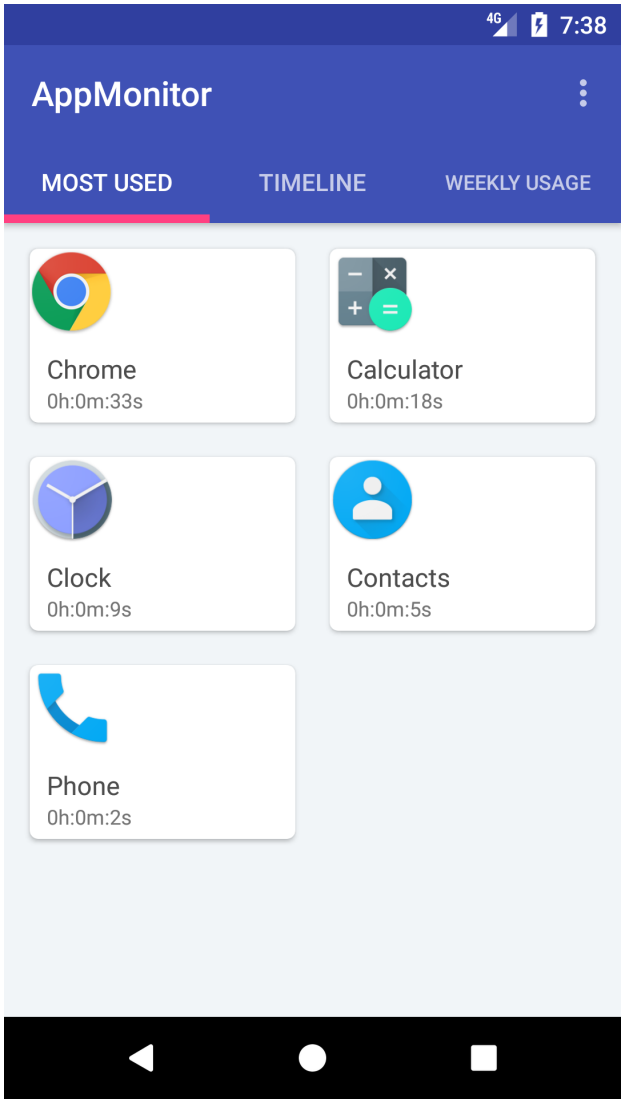
The very first step is to set the permissions for the AppMonitor which can be done as show below.




12:26
Usage access
AppMonitor
Permit usage access
Usage access allows an app to track what other apps you're using and how often, as well as your carrier, language settings, and other details.



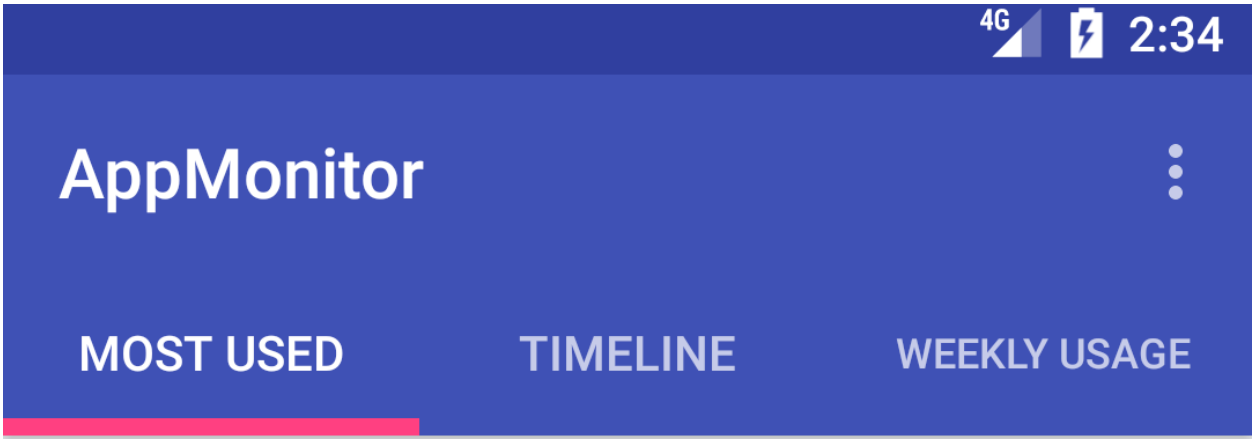
Once the permission for the AppMonitor is enabled we get the home screen of the application which is displayed below.

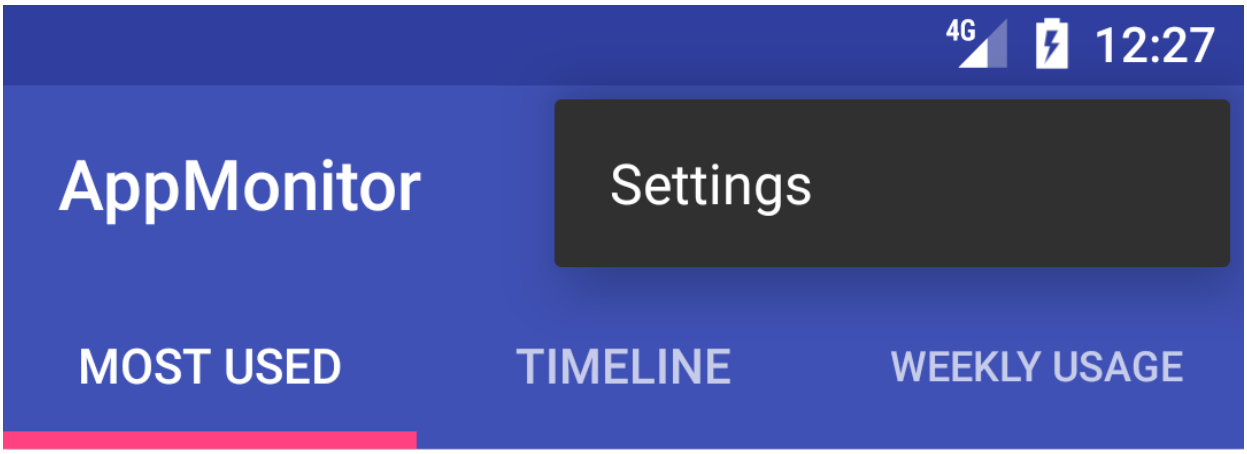


3.2 System Menu

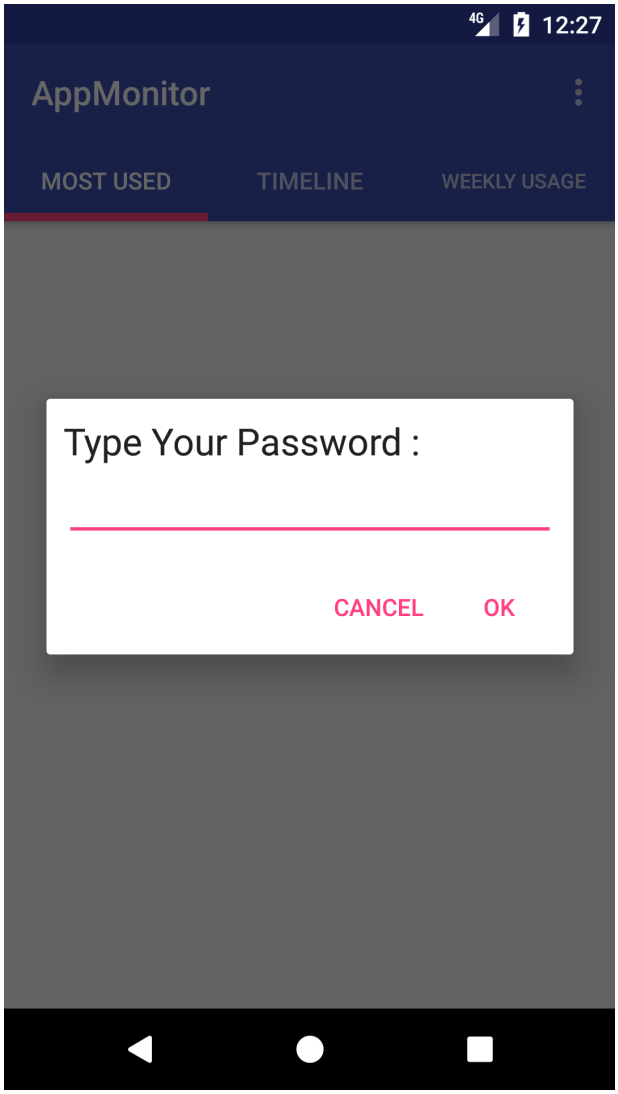
AppMonitor is a tabbed application, which consists of 3 tabs. The three tabs represent collected data from monitoring applications. One tab Most Used displays the most recently running applications that are being monitored . The second tab Timeline displays the time when the selected applications where started. The third tab Weekly Usage displays the total usage times of all the applications for a week. Then there is an overflow menu on the top right corner of the home screen of the application.

The tabs of the home screen and the overflow menu are displayed below.





Once the user clicks on the Settings button from the overflow menu , user authentication is done via PIN that needs to be entered on the dialog that flashes as show below.


12:27
AppMonitor
MOST USED
TIMELINE
WEEKLY USAGE
Type Your Password :
CANCEL
OK

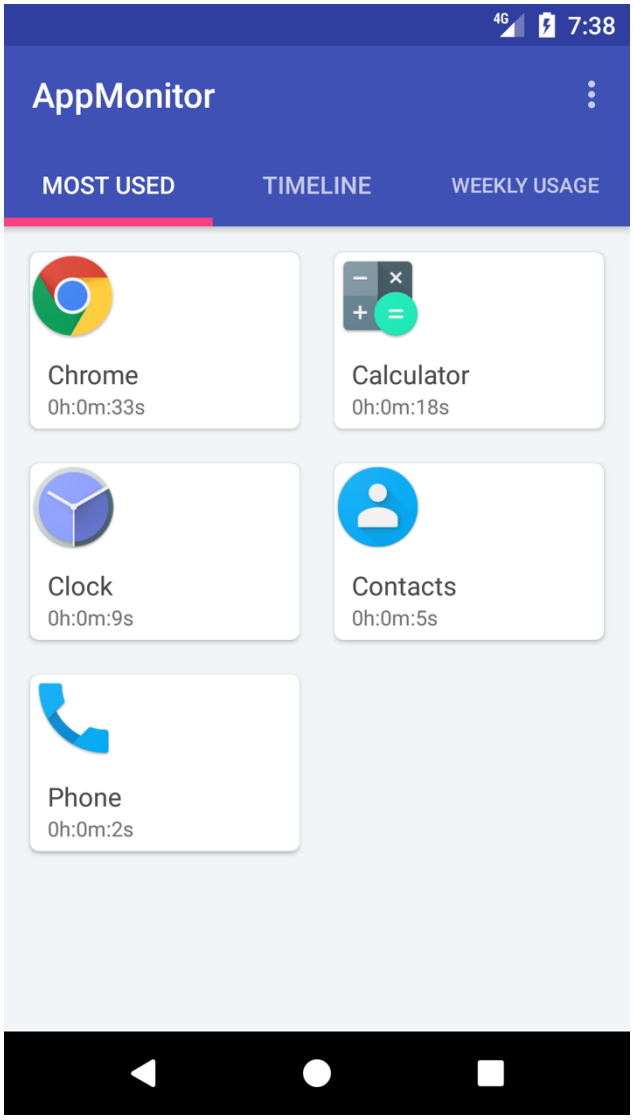
4.0 USING THE SYSTEM

4.0 USING THE SYSTEM

This section provides a detailed description of system functions.

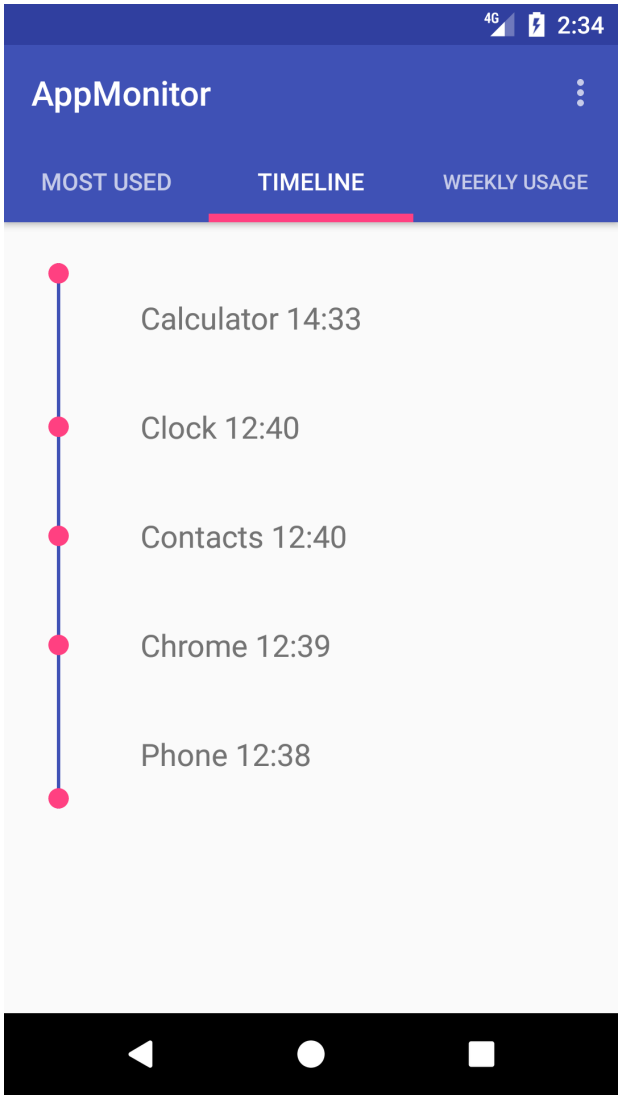
4.1 Most Used tab

This tab is used to display the most used applications that are selected to monitor. The applications are shown in form of a grid along with their names and icons. The total time for which the application is used by the user is displayed at the bottom of each application icon in the grid.



4.2 Timeline tab

This tab represents the start times of the applications that were selected for monitoring. They are displayed in the form of a timeline. The information here is updated on a daily basis. The application names are are listed along with their corresponding start times.

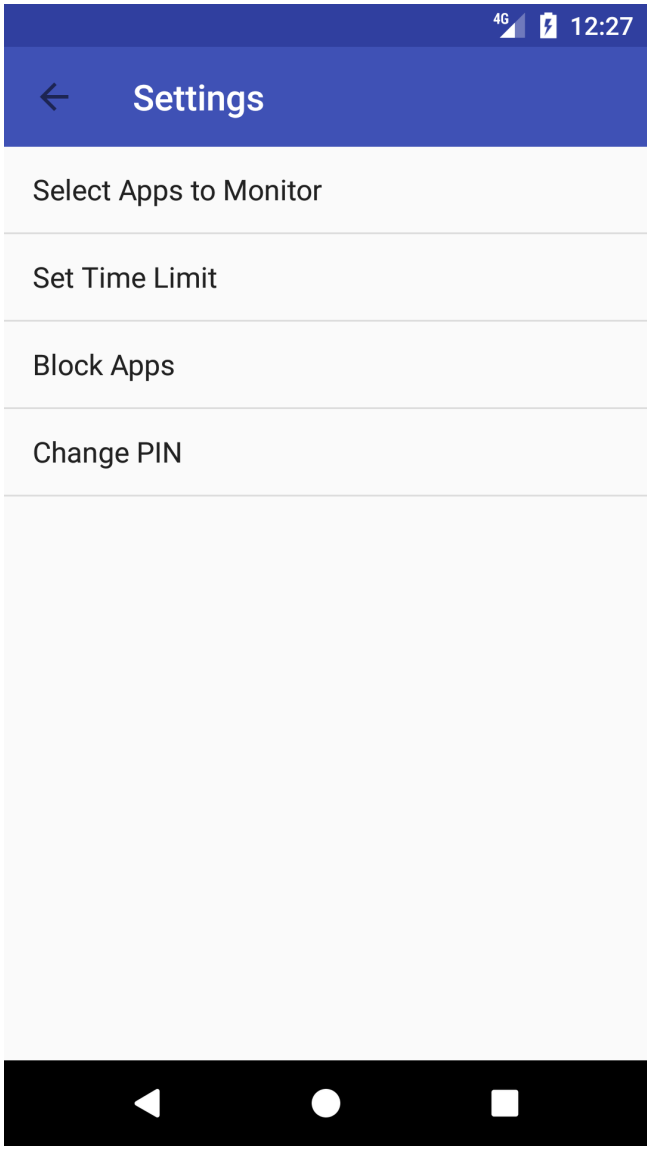


4.3 Weekly Usage tab

This the last among the three tabs. This tab shows the usage information about the applications i.e., the usage details in the form of a horizontal bar chart. The summary information is given in the units of hours. The bars represent the weekdays. The usage statistics is update on a weekly basis.

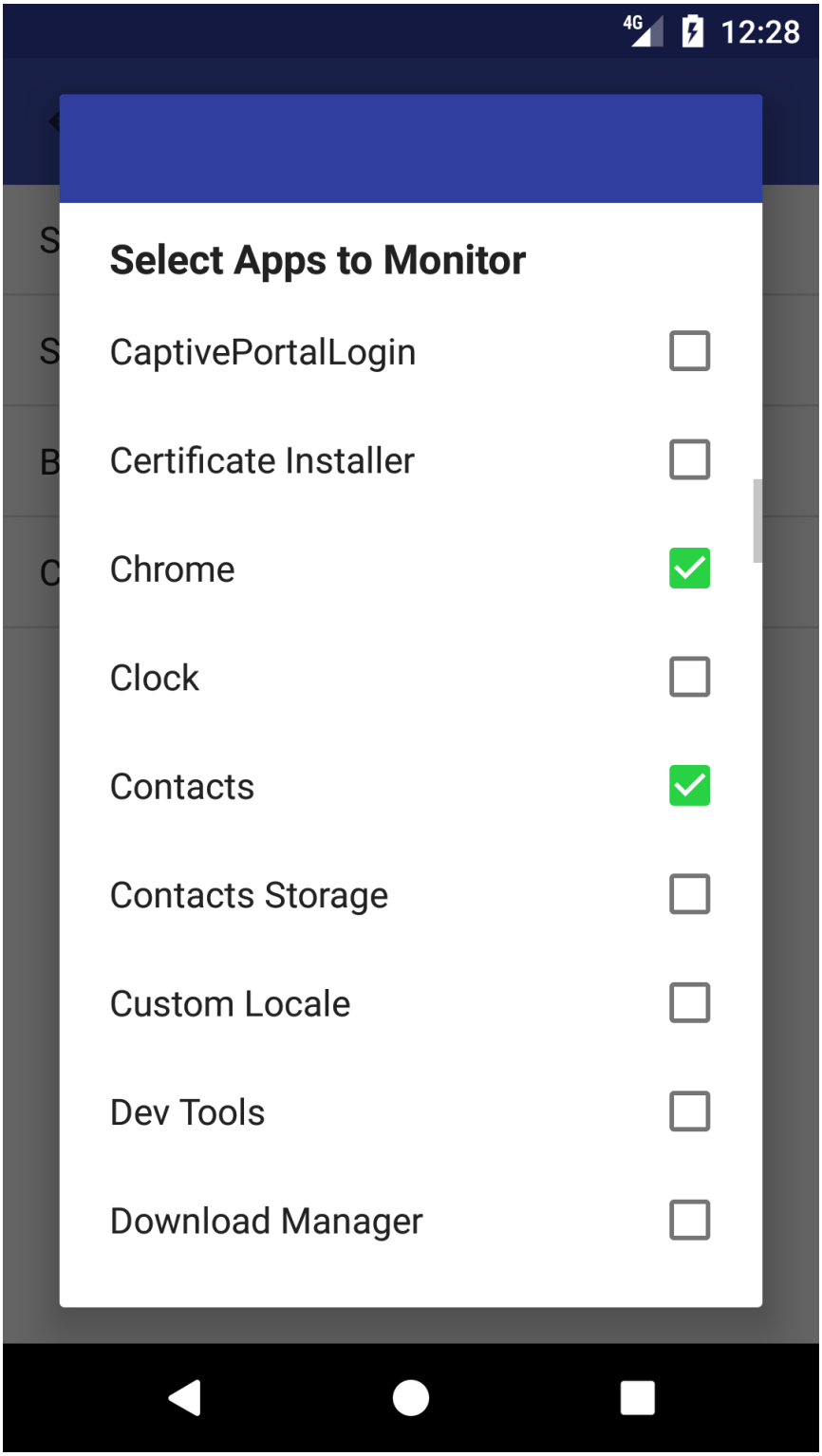
4.4 Settings menu

We get this screen once the password for the admin user is entered from the Settings button in the overflow menu on the top right corner of the home screen. The settings can be manipulated only by the admin user.



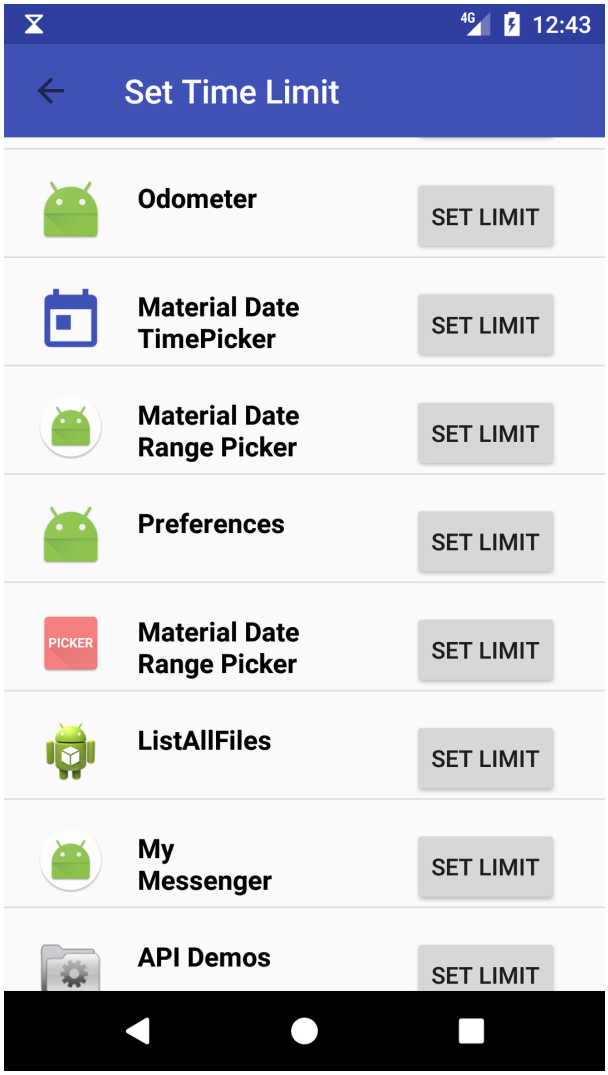
4.5 Select apps to Monitor

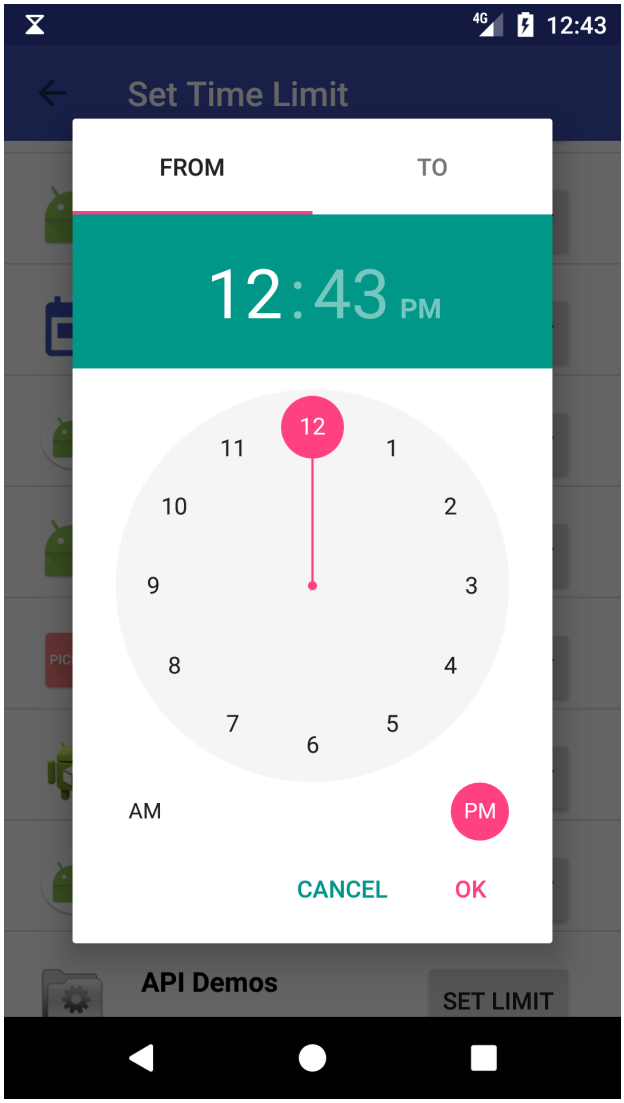
We enter this via settings screen. The list of all installed applications on the mobile phone are displayed with the checkboxes on their right end. The admin user can then check the required applications that needs to be monitored i.e., whose usage details are to be displayed on the Most Used tab of the home screen. Once the required applications are selected, the admin user can save the settings.


4G
12:28
Select Apps to Monitor
CaptivePortalLogin
Certificate Installer
Chrome
Clock
Contacts
Contacts Storage
Custom Locale
Dev Tools
Download Manager

4.6 Set Time Limit

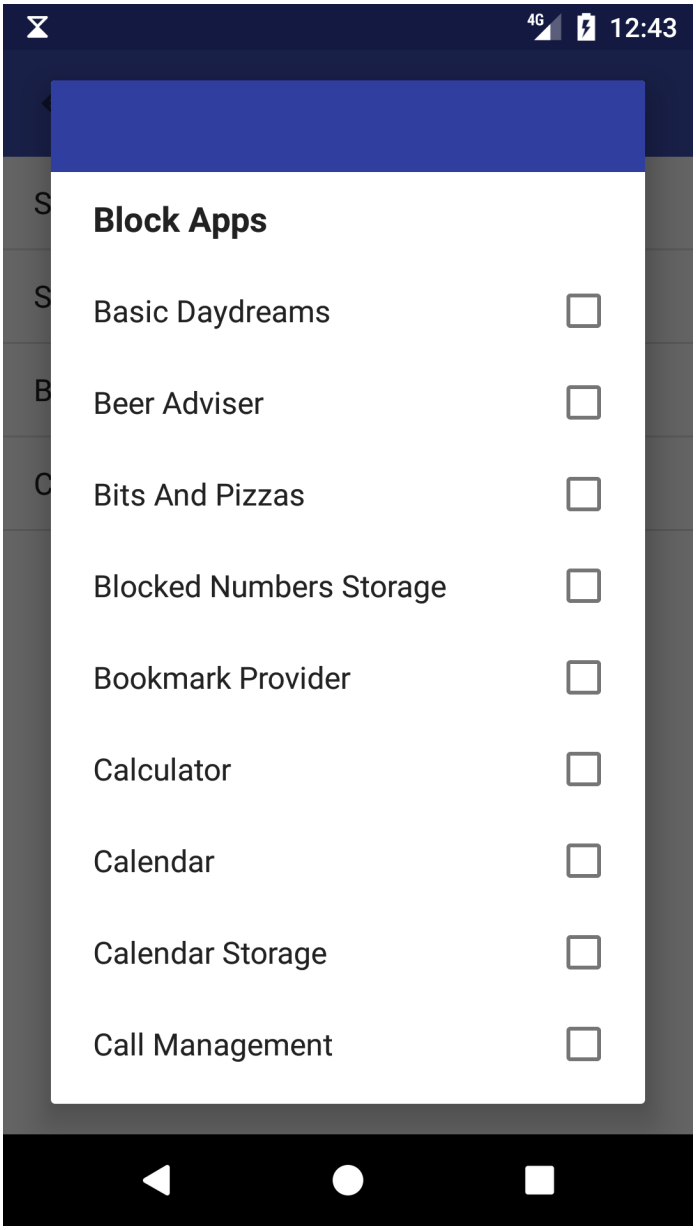
The list of all installed applications on the mobile phone are displayed with the Set Limit button on their right end. The admin user can then set the time limit for the required applications that needs to be monitored. Once the required applications are selected, the admin user can save the settings.

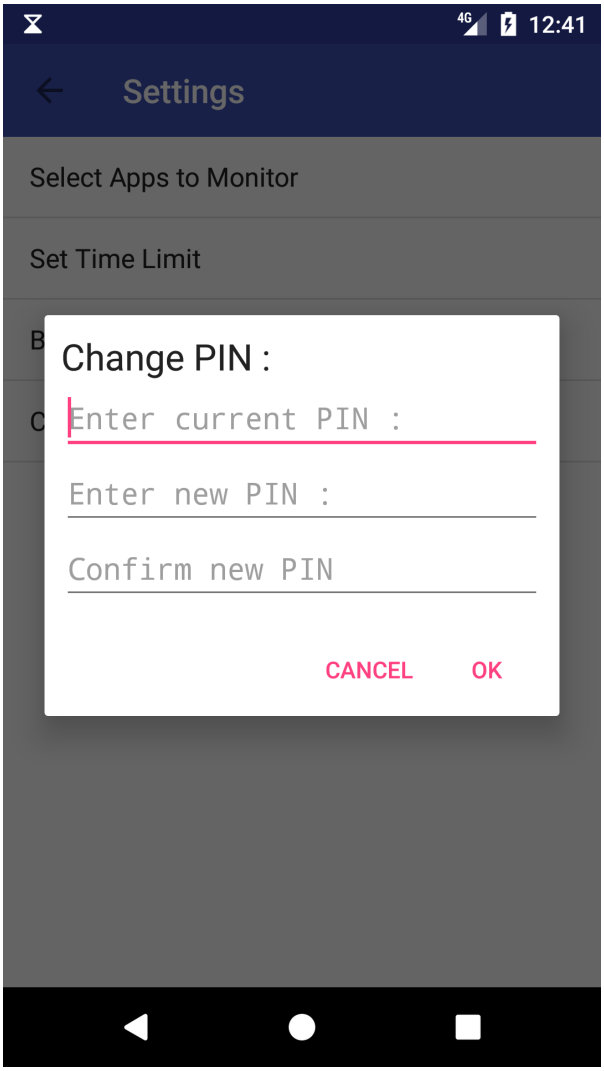



12:43
Set Time Limit
FROM
TO
12:43 PM
12
1
2
3
4
5
6
7
8
9
10
11
AM
PM
CANCEL
OK
API Demos
SET LIMIT

4.7 Block Apps

The display screen here is similar to the Select Apps to monitor setting screen. Again we get the list of all the installed applications on the mobile phone along with corresponding checkboxes. Once the admin user selects the required applications that needs to be monitored , the settings are saved.



4.8 Change PIN

This option in the settings screen enables the admin user to change the PIN. The admin user is asked to enter old PIN and then the new PIN. Once the new PIN is entered twice, the PIN for the admin user is changed.