

SESSION-1

A discussion on mobile application security must address the current issues Facing mobile devices and the best way to mitigate them.

This chapter aims to directly provide content on the following subjects:

Top issues facing mobile devices

Tips for secure mobile application development

The issues covered in this chapter are not exhaustive and appear in no particular Order;

However, they can be used to begin the conversation on mobile application Security in your organization.

Top Issues Facing Mobile Devices

For any computing device that contains sensitive information and accesses the Internet, security is a major issue.

In the 1980s, security issues were hardly noticed; however, security is a major issue for users today (especially for the enterprise user),

Which includes mobile devices. Let's discuss the top issues facing mobile devices in terms of security.

As mentioned, this list of issues is neither exhaustive nor in order of priority; it's just a list of some of the most current issues facing mobile devices and their applications.

Common Problems with Mobile Phones & Solutions

1. Your Smartphone is running slowly

This is the most common Smartphone problem, especially occurs as your phone gets older. The reason behind the slow speed is the installation of unnecessary apps that use your device's RAM and save numerous numbers of files in your phone.

Wipe out all the unnecessary apps and files from the mobile, clean up cache data. You can do this by diagnostic app also. If still, you face this issue, restore it to factory data.

2. Poor Battery Life

Unfortunately, this phone problem happens to everyone. The common problems are battery draining, slow charging or charging failure. We are glued to our phone so battery draining problem is the common issue. This major issue is when your phone is discharging without being utilized.

Find out that if any particular apps are draining too much battery, you can check this in Settings->battery, and if you identify any bug, remove those apps. Enable the battery saving mode, turn off the locations, dim the brightness.

3. Storage Space

Most of the Smartphone storage is filled with photos and videos. You should take care of the storage when you buy a new Smartphone because, after a couple of days, you start panicking for the low storage. Very few smart phones have an expandable memory feature nowadays.

Delete the cache first. Use apps like cache cleaner which lets you clean cache for a specific app. Uninstall apps or move apps from the phone. Transfer the images on clouds to free up the space on your device.

4. Phone or App Crashes

This happens when there is a bug in the installed apps or your phone is running out of space This is one of the frustrating mobile phone problems.

Clear the app data from "App manager". Avoid using multiple apps at same time. Troubleshoot your phone by restarting the device, remove the battery or restore it to factory settings.

5. Overheating

Excess usage of Smartphone brings overheating problem. Demanding apps, more likely gaming apps make the temperature high of your phone which can affect the performance of the battery. Maybe you've downloaded malicious apps that run in the background.

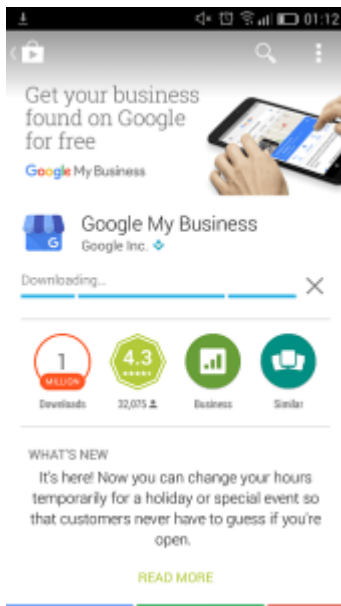
Try not to use your phone while on charge. Don't use high CPU sucking apps, and give a break to your phone. If still, your phone is heating, this is the manufacturer defect.

6. Connecting problem with Bluetooth, wifi, cellular network

This is the temporary mobile phone problem which can easily get solved. Keep the phone on airplane mode for 30 to 60 seconds and try to reconnect it. Still having an issue? Repair or change the setting of Bluetooth and WiFi again.

7. Apps not downloading

The main cause of this problem is corrupt cache. Go to the Google play store app and clear the cache of the app. better to delete the history of Google play store. Make sure you are using the latest version of Google play store. If there is still an issue, clear data, and cache on Google play services.



8. Synchronization Issue

The sync problem gets resolved automatically after some time. If not, remove the Google account and add it again. Make sure your internet connection is not limited and working properly. Check for the system update and update it if required.

9. Micros Card Not Working On Your Smartphone

It can be caused when your SD card has bad read/write errors. Your mobile is not recognizing the SD card after formatting. Check the capacity of memory card, and format it to exFAT if it's up to 32GB. Restart the phone in recovery mode and select wipe cache in Android. This will clear out the SD card and format it to FAT32 which is best suited for storing in a phone.

10. Cracked Screen or Immersion in Water

This mobile phone problem accidentally happens and we can not do anything in this. To avoid such incidents, use the good phone protector. Yes, they may be expensive but it is a worthy investment to avoid these accidents.



Does your phone problem can not be resolved? It is recommended to sell your phone online for a good cash.

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